



Contaflex I  
Contaflex II  
Contaflex III  
Contaflex IV

SERVICE MANUAL



Contaflex I List No. 861/24

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### General Notes

The CONTAFLEX I is made in three different types which are the result of various technical developments. The differences are easily recognisable:

Type 861/24 (ill.1) has the Synchro-Compur shutter and the knob of the diaphragm setting ring is not spring-loaded.

Type 861/24 Z (ill.2) is also equipped with the Synchro-Compur shutter, but the knob of the diaphragm setting ring is spring-loaded. This diaphragm setting ring can be built into the type 861/24 by exchanging the front cover cap and making the small alteration on the lens panel which is described.

Type 861/24 A (ill.3) has the Synchro-Compur shutter with built-in delayed action release. This shutter cannot be exchanged for a shutter without delayed action, because it is of a larger size. The Synchro-Compur shutter without delayed action cannot be returned to the Contessawerk and the Tessar cannot be used in the shutter with delayed action release. If a Contaflex of the first two types has to be provided with a delayed action shutter, the whole lens panel including shutter and lens, has to be exchanged and the lens panel as well as the gear casing must be reconditioned, as is shown in the illustrations.

The type 861/24 Z is contained in our camera catalogues and camera price lists under list number 861/24 Pcm, and type 861/24 A, under list number 861/24 Pcms. The distinction between 861/24, 861/24 Z and 861/24 A should be made only when ordering spare parts.

### Dismantling the Contaflex I

#### a) Removal of the top- of cover cap

In order to remove the top-cap 383/51 T, the winding knob and the rewinding knob must first be removed.

Both are fixed in the same way as on our CONTAX cameras. First remove the three screws M 1,4x5 DIN 85-5S and then take off the winding knob 72 453, the index ring 72 297, the spring 22 451, the friction disc 39 367, the counting disc 45 254 a with the support 39 364 a, the release button 14 079 and the spring 23575.

After the removal of the three counter-sunk screws ZIN/M 1,4x3-5S the knob-spacer 72 455 can be taken off, also the spring drum 79 069 and the discs 39385 or 39 023 (which are sometimes inserted) after the removal of the Benzing-protector 1.2 DIN 6799. The top-cap 38 351 T can be taken off after removal of the rewinding knob 72 454 (loosen screw 210), the nut 60 168 beneath it (use key 860/24 M/90) and the screw M 1,7x7,5 DIN 84-5S (ill.9). The top-cap beneath the screw 1,7x7,5 84-5S is supported by a bearing spacer 15 438 and sometimes by an additional washer 39 282 (ill.10).

Take care that these parts do not fall into the gear when dismantling the camera.

#### b) Removal of the gear-box

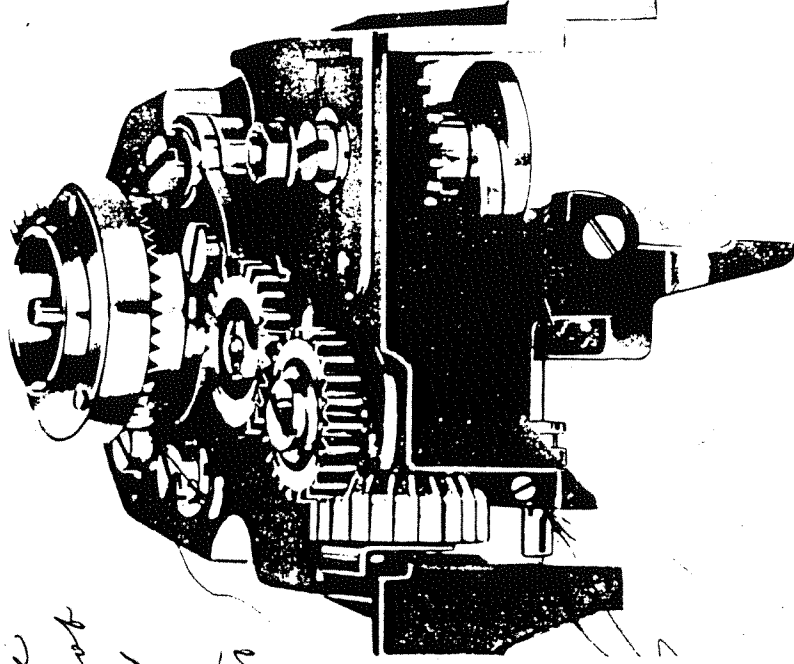
If no fault can be found in the gear, which is now visible from above, it will be necessary to remove the gear-box in order to find it. For this reason the finder-prism must be unscrewed. (102 070M). To avoid time-wasting adjustments, be sure to replace correctly the washers which are used for the adjustment of the prism. These washers must be placed in exactly the same spot as they were before. In the opening of the gear box, which is now accessible, there is the grub screw M 1,4x2 DIN 551-5S underneath the bevel spur wheel 45 563. This grub screw, which is secured with varnish, must be loosened and the bearing bolt 66 381 moved backwards in the direction of the two key levers 85 507 b and 85 508 b, i.e. in the direction of the arrow (see next ill.).

After removing the four screws M 1,7x6 DIN 84-5S the whole gear box can be removed (ill.10).

#### c) Removal of the lens panel

The lens panel is fixed to the camera body by means of four screws M 1,7x3,5 DIN 84-5S (ill.4). After carefully removing the leather covering to the left and right of the lens panel, these screws will be accessible.

will not release  
shutter after winding - not  
has slight play after wind  
adjust screw in direction  
indicated \*





d) Exposing the shutter

The three screws M 1.7x2 DIN 553 St.-5S on the scale ring 1 02 32 (ill.21) must be removed. The scale ring must be turned through about 60° by means of a drive-screwdriver of 1,0 mm in with, which should be inserted into one of the free screw holes, until one of the three bores for the screws M 1.2x1.5 DIN 551 St. (which fix the turning ring 1 02 32 - 11 on the front lens mount) become perceptible. After loosening these screws the turning and scale rings can be removed. It is advisable to mark the position of the front lens!

Then the locking wedge (MX/CR<sup>00</sup>-543a-543), which is fixed with the two screws M/CR<sup>00</sup>-437-542 (ill.22), must be removed. Next, the scale ring 75 418 can also be removed from its bayonet mount, by turning it slightly in an anticlockwise direction (ill.23).

When the shutter has to be repaired, it is not always necessary to remove the focusing ring 72 452. The three locking eccentrics of the shutter cover-plate must be turned anti-clockwise with the key VM 112, then the cover plate should be turned to the left and lifted from the bayonet-slits of the ground plate. The shutter setting ring can then be drawn off easily from the tube of the ground plate by turning it slightly to and fro.

The inside of the shutter is now accessible so that repairs can be made on the escapement, the automatic device and the synchro device. To do this, the instructions for repairing the Synchro-Compur shutters No. 00 of Messrs. Friedrich Deckel, Munich, should be adhered to strictly. It is advisable to protect the lenses from damage and dirt by means of a tight-fitting lens cap. If one of the lens cells has to be removed their positions relative to each other must be marked carefully beforehand.

If repairs to the diaphragm or the mechanism of the sectors are necessary, the shutter must be removed from the lens panel. After loosening the four screws ZIN 515/M 1.7x3-5S (ill.25), the front cover plate can be drawn off. The flange of the shutter is loosened by means of the key 47 326 M-81 which makes it possible to remove the shutter from the panel. The spring casing 45 554 I should be secured against the relaxing of the springs by the insertion of a safety device. The positions of the individual rings relative to each other should also be carefully marked.

The delayed action shutter (camera type 861/24 A) can be removed without unscrewing the lens panel or the front cover plate from the camera. The diaphragm should be set to f/22, and the shutter must be released. Then the screw M 2.6x3 DIN 54-5S (ill.28 and 30) in the lens panel is removed and replaced by the screw ZIN 617/M 2.6x3x3.5-5S. This screw fixes the toothed rims in their correct positions to enable the shutter (after repair) to be simply re-inserted. Remove the flange of the shutter with key 47 326 M-81 and lift out the shutter.

e) Removal of the flaps (light and mirror flaps)

The flaps can be removed only after the lens panel, the gear box and the angle guide 29 305 Im have been removed. The first thing to do is to remove the wheel 45 551 (ill.17). After loosening the screws 105 the bearing bush 15 432 Im can be pulled out enabling the subsequent removal of the film drum 33 269 together with the axle 65 375 (ill.13) Then take off the cover plate 34659 (ill.20). After loosening the grub screws M 1.7x4 DIN 533-5S the bearing bushes 27 251 and 27 252 (ill.20) can be shifted so that the flaps and the hinges can be removed. The grub screws mentioned are secured with varnish, which can be dissolved with ethyl acetate or methyl acetate.

### Shutter repairs and cleaning the lens

Shutter repairs should be performed in strict accordance with the instructions for repairing and testing the photographic shutter Synchro-Compur, size 00, issued by Messrs. Friedrich Deckel, Munich.

Before inserting the lenses, the inside of the shutter should be thoroughly cleaned and if necessary the lenses also should be cleaned, which must be done with the greatest care and caution. Before wiping the lenses with a very soft piece of linen free from grease, all dust should be removed from the surfaces of the lenses by means of a small rubber air-blower (not compressed air) or with a soft lens cleaning brush:

- 1) Remove all dust by blower or brush.
- 2) Use only very clean, frequently washed rags.
- 3) Do not use any cleaning media.

When inserting the lenses, attention should be paid to the position in which they were placed before and which should been clearly marked (see "Dismantling"). The movement of the front cell must be absolutely uniform and positive. Use as little grease as possible and with care. Thin grease may melt on hot days and creep on to the surfaces of the lenses. The grease used must be resistant to frost and should not contain any detrimental impurities.

When scales or rotary rings must be exchanged attention should be paid to the fact that the "Tessars" with serial numbers from 1 335 015 to 1 434 294 as well as from 1 348 848 to 1 392 847 have a smaller angle of rotation than the earlier makes of Tessars. The scales and rotary rings differ as follows. **(see also 111.35).**

<u>Scale rings:</u>	Outer diameter	Inner diameter	Height	Angle of scale
1 02 32 - 12	36,6 mm	33,5 mm	5,0 mm	m 87° f 76°
1 02 37 - 22	36,8 mm	33,5 mm	4,4 mm	m 87° f 76°
1 02 40 -	36,8 mm	33,5 mm	4,4 mm	m 75° f 64°

<u>Rotary rings:</u>	Outer diameter	Angle of elevation
1 02 32 - 11	41,5 mm	99°
1 02 37 - 21	43 mm	124°
1 02 40 -	43 mm	111°

#### Cleaning the Fresnel lens

If the viewfinder appears smudgy it can generally be assumed that dust has collected on the underside of the Fresnel lens. This can easily be cleaned by unscrewing the cylinder screw Ss 207 (ill.7 and 17) which is visible at the side of the film chamber. Set the mirror to the taking position and insert a cleaning wick or a thin piece of wood wrapped in linen into the hole left by the screws. As the Fresnel lens is made of a very vulnerable material, the cleaning has to be done with the greatest care in order to avoid damage. After cleaning reinsert the screw Ss 207. By removing the pentaprism 102 070 from its casing 52 352 a (hang out retaining spring 23 693 I) the upper side of the field lens 101 331 and the under side of the pentaprism 102 070 can be cleaned also. When cleaning the prism, the field lens and especially the Fresnel lens, vigorous rubbing must be avoided in order to prevent static electricity. These components should be treated in the same way as photographic lenses. (First remove dust by blowing, but not by compressed air! Only clean with soft rag or chamois leather). When replacing the pentaprism do not forget to replace the fillers as well as the position of the prism will be altered otherwise. There is hardly any possibility of dust settling between the field lens and the Fresnel lens, as they are sealed by adhesive tape.

#### Exchanging a frontal cover-cap

The frontal cover-cap 38 357 aI (ill.32) can be replaced by the frontal cover-cap 38 357 aT/1 (ill.33). For this purpose the lens carrier should be dismantled according to the special instructions. After removing the frontal cover-cap and the shutter, the lens carrier becomes accessible as shown in ill.26. Then the spring 23 677 a should be disengaged and removed. The pawl 24 162 should also be disengaged from the gear-tooth system of the diaphragm ring 45 556 and fixed in place or else the rivet 530 must be bored out and the pawl 24 162 removed completely. In this case the bore hole must, of course, be filled later on with a suitable rivet.

For the lens carrier 47 351 b, which is recognisable by the number 11 embossed next to the flash contact and the altered clamping of the screwed pin Ss 439 a, only the fitting frontal cover-caps 38 410 I with the stamped figure "11" should be used (when ordering add: for lens carrier 47 351 b). The cover-caps are designed to enclose the lens carrier tightly on all sides.

#### Irregularities with light- and mirror flaps

If these flaps do not work properly and their movements are imperfect the cause will usually be the feeler, which may spring off the forked lever guides. The feelers 95 507 b and 95 508 b (ill.12 and 16) should be free from any sideslip. When the gear casing is put on the feelers must be arranged so that they dip into the forked lever guides without chafing at the sides. Nevertheless, the feelers should run smoothly and attention must be paid to any points of attack on the gliding surfaces of the levers and curves (especially peeling off of the nickel plating).

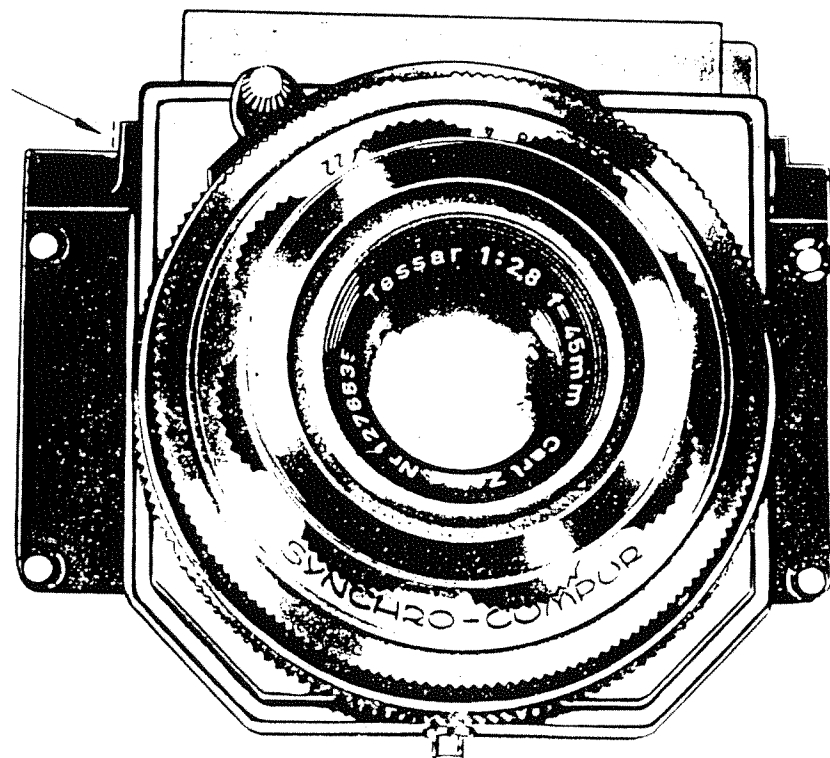
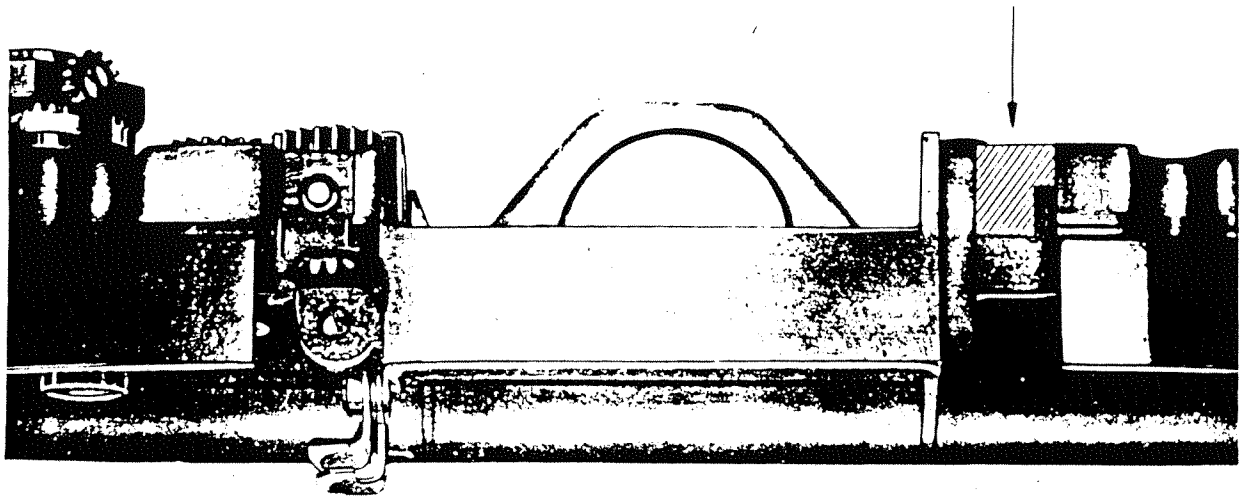
The latest feelers and curves are no longer nickel plated. The light trap should seal perfectly on all sides and be pressed against the body with a noticeable pressure. None of the flaps should jam however, they must also be free from sideslip. The mirror should be firmly embedded in the mirror flap. For sticking, the ZEISS IKON cementing agent 6100 should be used exactly according to the instructions.

Exchanging the lens carrier

If a camera with a shutter without a delayed action device is to be equipped with a shutter with this device, the lens carrier with the shutter must be exchanged for the lens carrier 47 351 a N. (see page 1).

The gear casing should be re-worked at the cross-hatched section (see next ill.). The same applies to the lens carrier at the spot marked by an arrow. It should be re-worked in such a way that it fits perfectly into the gear casing.







Diaphragm does not close at all or too late

All operational parts of the diaphragm should run as smoothly as possible. The diaphragm ring and the diaphragm lid must not be ~~filed or ground~~. The toothed rim 45 555 a (ill.26) or 45 626 (ill.29 and 30) should be oiled very slightly with Zeiss Ikon oil OS2, also the diaphragm ring 45 556 (ill.26) or 79 103 (ill.29 and 30) and the spring cage 45 554 (ill.26) or 45 623 T (ill.29) which mesh with them.

The tensioning of the spring cages should be done in the following way:

Type 861/24:

The shutter is screwed into the lens carrier and the frontal cover-cap put on. Then set the diaphragm ring to stop 22 and turn the notched disc 42 198 (with the screw ZIN 515/H 1.7x2.5 -5 S unscrewed) in the clockwise direction until the diaphragm has adjusted itself to 22 (about 1.6 mm  $\phi$ ). From this point the notched disc is further tensioned by a continued rotation in the same sense for 4 notches. Then tighten the screw ZIN 515/H 1.7x2.5-5 S and secure with a screw of the same type (ill.25 and 28). If the tensioning of the spring is exaggerated, the diaphragm setting will be altered every time the shutter is operated. Re-bending the spring 23 677 has the disadvantage of making the diaphragm setting unnecessarily stiff.

Type 861/24 Z:

With this type the operation is the same as with 861/24, but the rotation of the notched disc should be continued over 6 notches instead of only 4. The diaphragm ring of this type has a locking device for all stops with the exception of stop 16, so that the spring of the spring cage can be tensioned more strongly.

Type 861/24 A:

Operation is the same as before, but the spring of the spring cage should be tensioned by 20 notches.

Assembly of lens carrier and gear casing

Before assembling the lens carrier, the gear box and the camera body should be carefully examined with regard to cleanliness and reliable operation. The assembly should then be carried out as follows:

The lens carrier with its spur wheel 45 569 (ill.17,25,28) and the gear box (in released state) without wheel 45 564 (ill.12,13 and 14) are screwed in the camera body, the bearing bolt 66 381 interposed and secured with the grub-screw M 1.4x2 DIN 551-5 S. Then tension the gear (with the mirror at an angle of  $45^{\circ}$ ).

With the key VM 180 inserted into the bearing 33 270 the shutter is tensioned via the spur and bevel-gear wheels 45 563 and the spur wheel 45 569 (ill.12, 13 and 17). When the motion of tensioning is finished an overlap of 0,3 mm must remain on the shutter. Now the spur and bevel wheel 45 563 is locked, the key VM 180 removed and is replaced by the spur- and bevel-gear wheel 45 564 (if necessary with a washer 39 066) slipped on the bearing 33 270 (ill.15). Place disc 39 468 in position and tighten the screw 133. Then check for correct functioning several times. Fix the winding knob for temporary use and tension the shutter. With MXQR<sup>00</sup> shutters (without delayed action device), examine their functioning through the opening in the shutter speed setting ring and check whether the shutter is tensioned to the full. If this is not so, or if the tensioning lever moves too far so as to jam on the shutter casing, the cogwheel 45 565 should be removed from the spur wheel 45 565 a Im, turned through 90° and replaced. Sometimes releasing or advancing the spur and bevel-gear wheel 45 563 by one tooth proves sufficient.

With shutters with self-timer (MXV shutters), the functioning of the shutter tensioning can be examined through the opening for the MXV setting ring in the frontal cover-cap 38 410 T.

Furthermore, it should be ensured that the spur wheel 66 377 Im (ill.15) engages securely with the spur wheel 45 551. After loosening the screw M 1.7 x 3 DIN 84-5 S, this engagement can be adjusted by moving the bearing bolt together with spur wheel 66 377 Im. If the engagement is too shallow, the film transport will not work properly.

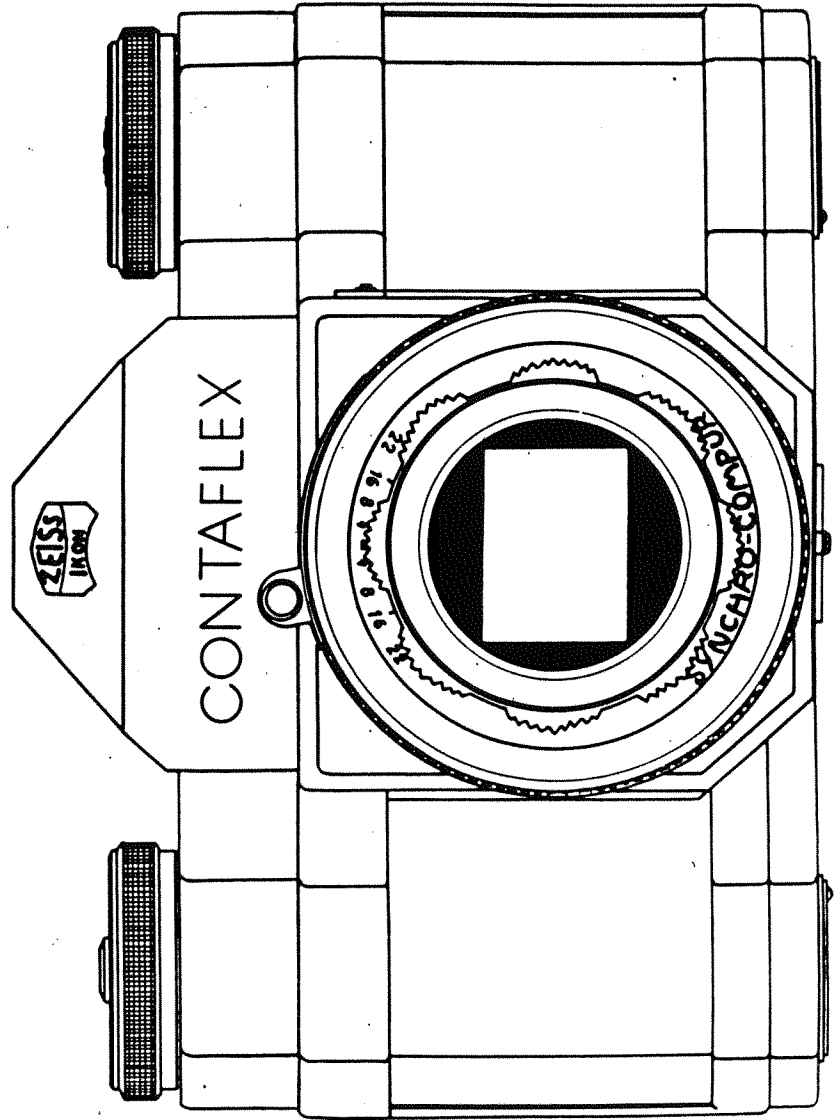
#### Adjusting lens, mirror and viewfinder

The adjustment of the lens is carried out in the usual way by placing washers of various thickness beneath the shutter (39 455 a, 39 474a, 39 507, ill.24). The adjusting value is the same as it is with our other miniature cameras (Contessa, Contina). This value is the deviation at oo of the focal plane from the surface area of the pressure plate expressed in millimetres. This deviation, which in this case is 0,18 mm from the outer ribs of the film guides, must be strictly adhered to, as the optimum of definition cannot be obtained otherwise. The adjustment of the lens must be carried out at full aperture. The tolerance of adjustment, that is to say, the permissible deviation above or below the adjustment value is  $\pm 0,05$  mm.

The adjustment of the lens must be carried out with the greatest of care!

Now the lens is adjusted and the shutter retaining ring is carefully tightened, the coarse adjustment of the mirror can be done by adjusting the grub-screw Ss 438 a and using the gauge 961/24 M/700. The final-adjustment is carried out with the assembled camera. Through the opening at the base of the camera body, which is normally closed by the screw fs 203 (ill.7), the special screwdriver 961/24 M/No de 90 can be inserted in order to adjust the mirror-stop screw Ss 438 a. The nut 60 191 should be well tightened, and both screw and nut secured with varnish. Finally the screw Ss 203 must be screwed in again.

The prism can be adjusted, if necessary, by using an angle guide 29 324 or 29 325 in such a way that, by looking through the lens, the square frame of the viewfinder is visible in the exact centre of the lens (ill.)





Assembly of the winding and release mechanism

The following sequence should be adhered to when the winding and release mechanism are assembled:

First attach and fix the film-key casing 53 179 by means of the screws M 1.7 x 3 DIN 84-5 S, then insert the locking pawl 24 163 and check for correct functioning. Now insert the assembled film-key bolt 66 379 a T and place the outside shank of the brake spring 23 574 in the slit of the film-key casing. Before fixing the inside of the film-key casing should be greased with Zeiss Ikon grease FV 6. The winding wheel riveted into the bolt should run smoothly and without obstruction and must be oiled slightly with Zeiss Ikon oil OS 2. Then the buffer 34 613 should be screwed on by means of the screws M 1.7 x 3 DIN 84-5 S and the pawl 24 613 adjusted by shifting so that there is a small overlap between the point of contact of the pawl and the buffer. Next the assembled spur wheel 45 565 a Tm is inserted. The winding wheel in the film-key should then be turned in a clockwise direction until it is stopped by the buffer (which is the run off position of the camera) and the assembled spur wheel 45 565 a Tm inserted in such a way that the cam on the spur wheel placed in position, as shown in ill.16. (This applies to cameras with MX-shutters, that is to say, to cameras 861/24 and 861/24 Z. The cam points towards the retaining screw M 1.7 x 3 DIN 84-5 S for the springs 22 618). With camera of the type 861/24 A with MXV-shutter the spur wheel must be inserted so that the cam is in position shown in the following illustration. Before inserting, the plane of the cam which touches the spring 22 618 (ill.16) should be examined for striking points which should be smoothed out. Then the spring core is inserted into the bore hole and the spring lug ascertained. After inserting the adjusting pin 10 144 (which should fit snugly) the spring in the spur wheel 45 565 a Tm must be tensioned. The necessary tension is obtained when the spring core 94 053 is turned by 4 notches in a clockwise direction. The bearing bolt running inside the spring core should be slightly oiled with Zeiss Ikon oil OS 2.

Now the assembled cog-wheel with curves 45 559 Tm (ill.12, 16) must be inserted, however, the grub-screw M 1.7 x 5 DIN 551-5 S must be adjusted beforehand so that it is flush with the casing. If in the final examination the light-flap does not fit with sufficient pressure this can be remedied easily by regulating the grub-screw.

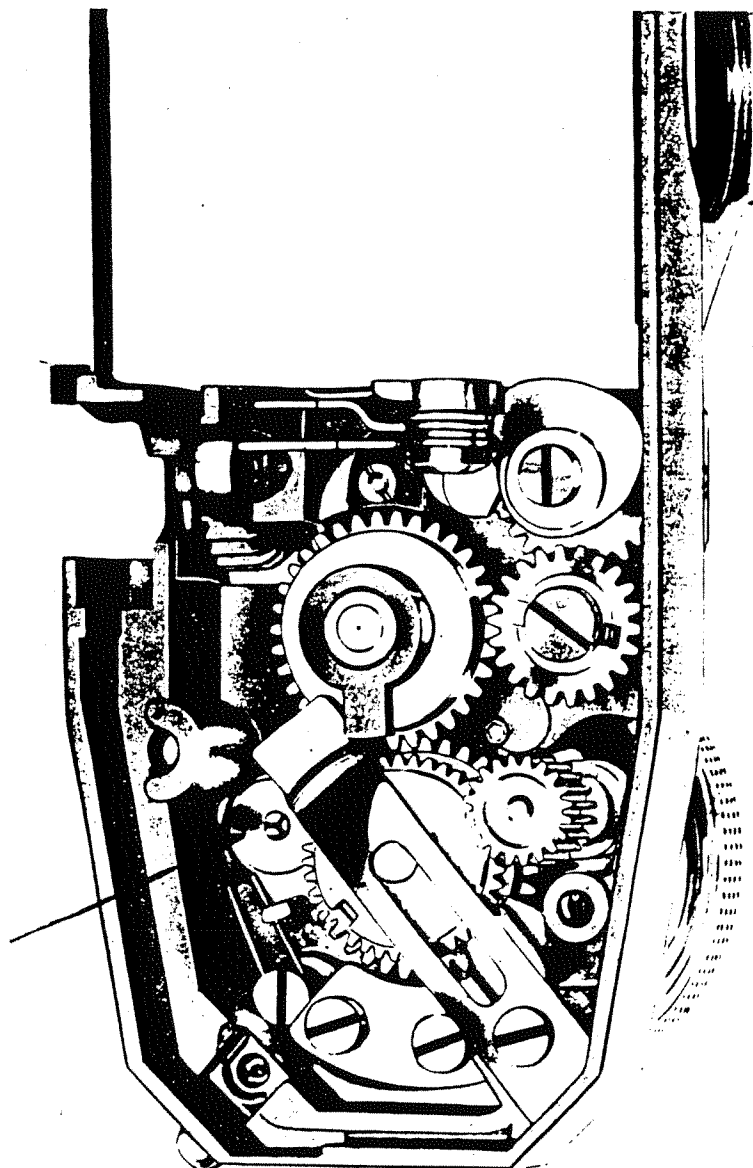
The next operation is the mounting of the two feelers 25 507 B and 25 507 b (ill.12, 16). These feelers must run smoothly in their bearings and should be free from sideslip. They should be adjusted by bending until they balance perfectly in the forked levers of the flaps when the gear box is attached to the camera body. The feelers in their bearings should be lightly oiled with Zeiss Ikon oil OS 2. The slot-nut 60 177 must be secured with varnish to prevent unintentional loosening, but the movement of the feelers must not be impeded.

Before the assembled intermediate gear wheel 45 560 Tm (ill. 16) is inserted the assembled cog wheel with curves 45 559 Tm should be adjusted as shown in ill.16. The curves should not be turned so far backwards as to touch the feelers and to impede their movement. The bearing bolt 66 391 to which the intermediate gear wheel 45 560 Tm is attached should be greased with Zeiss Ikon grease Fs 1. The cog-wheel 45 560 (ill.12,13 and 14) can be mounted conditionally by means of the slits so that the tensioning track of the toothed rim 45 557 (ill.24) and 45 621 Tm (ill.25,31) can be adjusted slightly when the lens carrier is mounted. When the film wind is wound up this toothed wheel must have cocked the shutter safely.

The retaining screw N 1.7 x 3 DIN 94-5 S of the spring 22 618 must be secured by varnish in order to prevent loosening. The cam of the assembled spur wheel 45 565 a Im should smoothly glide over the spring 22 618 when the camera is wound up, but on the other hand, this spring should not be lifted so much (when the shutter is released) as to allow the cam to pass beneath the spring. The shutter will then fail when set to "B".

The assembly of all other components in the correct sequence (ill.14) can be carried out without any difficulty, but it should be borne in mind that the screw Ss 128 b has a left-hand thread (ill.14).







## Test Specification

### Front-lens rotary ring

The filter thread M 27 x 0.5 should not be damaged.

### Flash contact

The flash contact must fit tightly and should not be damaged.

### Mount with eyepiece 50 256 I

The mount must fit tightly and the thread for the mount 50 257 a must not be damaged.

### Eccentric screw Ss 317

The flush face of the eccentric screw must remain behind the tripod base on the back by at least 0.5 mm and should be adjusted in such a way that a connecting line between the centre of the eccentric screw and the centre of the tripod bush is perpendicular to the focal plane.

### Back 52 351 X

The back should

- a) easily glide into the camera body
- b) be free from play when locked to the body
- c) close the film-chamber completely light-tight.

The locking devices should work smoothly and easily and the folded handles should protect the locking mechanism from turning. The pressure plate 26 356 I must be perfectly plane and undamaged. The film roller 65 290 should rotate easily in its bearings. The knob for decoupling the film-transport roller should spring back automatically when released, on the other hand it is important that it can be depressed easily.

### Film transport and film counter

The film-transport knob should rotate smoothly in the direction of the arrow until it is stopped and lock immediately when turned in the opposite direction. The index ring of the film or frame counter should work smoothly, no matter to what position it is set and it should not become dislocated when the film-wind knob is turned.

The rewind knob and the film type indicator should rotate smoothly in either direction.

When the shutter is tensioned one tooth of the film-transport roller must be perpendicular to the focal plane and it should move freely in both directions when uncoupled.

After a rotation of the film-transport knob

- a) the mirror flap should be turned into the path of rays through the lens and the light trap should be pressed against the body in order to protect the film from light.
- b) the shutter and the diaphragm should be fully open.
- c) the shutter should be tensioned to the full.
- d) the film-transport roller should have rotated by 3 teeth.
- e) the disc of the frame counter should have advanced by one division.

By depressing the release knob the following should happen in the following sequence:

- a) the shutter should be closed automatically.
- b) the mirror flap should flip upwards and should enclose the gear casing light-tight.
- c) the light trap should also flip upwards.
- d) the diaphragm should set itself to the pre-selected stop.
- e) the shutter should be released when functions a) to d) have been performed.
- f) film-transport and shutter tensioning should be free for a repetition of the performance.

#### Shutter speed - Pre-selection of stops - Focusing

The shutter speed setting ring should work smoothly and should click into every shutter speed in the case of cameras with delayed action (MXV shutter, camera type 861/24 A).

The diaphragm ring with linear division (MXV shutter, camera type 861/24 A) should click securely in with all stops. When the shutter is released several times, the diaphragm ring should not be dislocated automatically. With the logarithmic division of the diaphragm (MY shutter, camera type 861/24 Z) this requirement is not obtained when the diaphragm is set to f:16. Stop f:16 must be re-set to 16 after every exposure.

It is obvious that the distance setting ring must work smoothly also.

The green lever in the MXV shutter must operate smoothly when set to "M" and "X", where it should click in. Setting and clicking in to "V" should, however, be possible only when the shutter is tensioned. The setting to "V" will be a little more stiff than that to "M" and "X". Direct re-setting from "V" to "M" or "X" is impossible. The delayed action device should release the shutter after 8 to 12 seconds. The setting lever springs back to "X" when the shutter is released. When using the delayed action release flashbulbs will be fired as if the shutter were set to "X". With the "M" setting, the flash must be fired before the shutter opens, that is to say, the flash contacts must be closed before the shutter opens. With "X" setting the contacts must be closed the moment the shutter is fully open.

#### Viewfinder

The viewfinder must be clean, the frame of the viewfinder should be in a symmetrical position in relation to the image field.

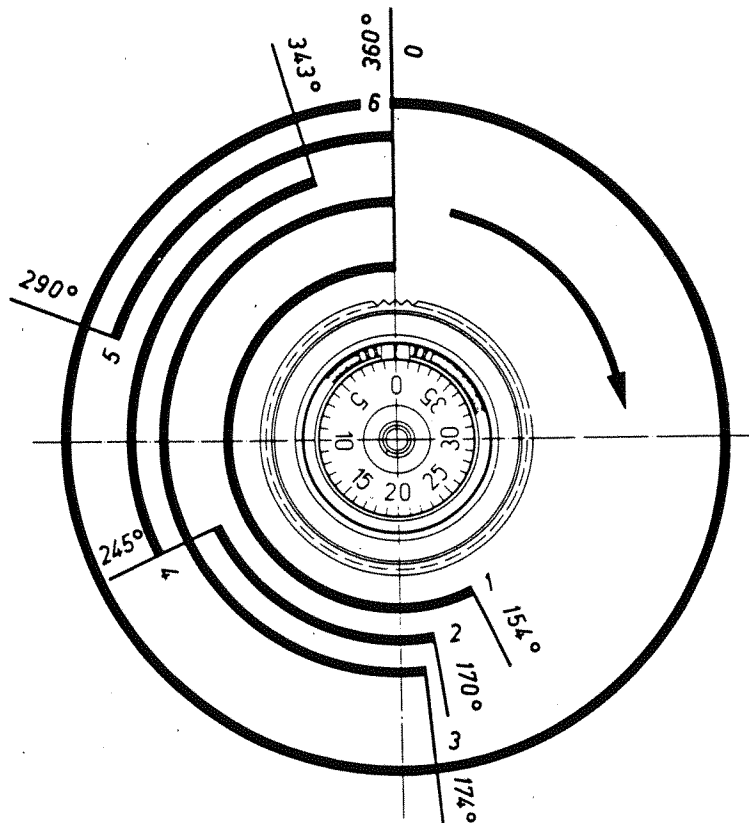
#### The lens

At full aperture the lens must depict all objects in the centre of the film gate with the best possible definition and should give needle-sharp pictures when set to the various distances in relation to the focal plane.

#### General note

The picture focused through the viewfinder must be free from reflection, and the same applies to the negatives. When a film is wound forward and backward through the camera, the track of the film gate should be sufficiently clean as not to produce scratches.

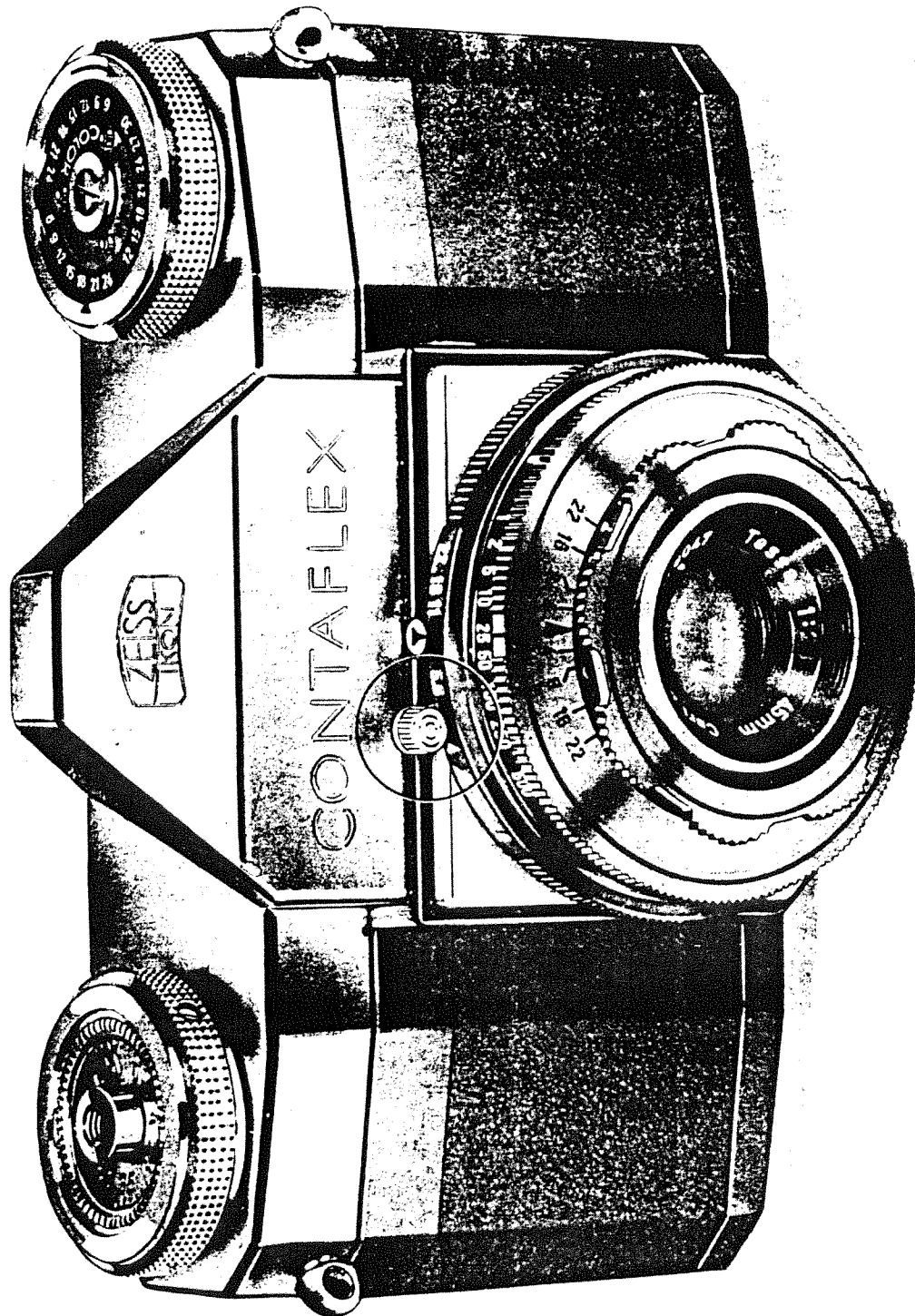
**Funktionsvorgänge beim Spannen der Contaflex**  
**Operations performed by winding the shutter winding knob of the Contaflex**  
**Funciones ejecutadas al armar el obturador de la Contaflex**

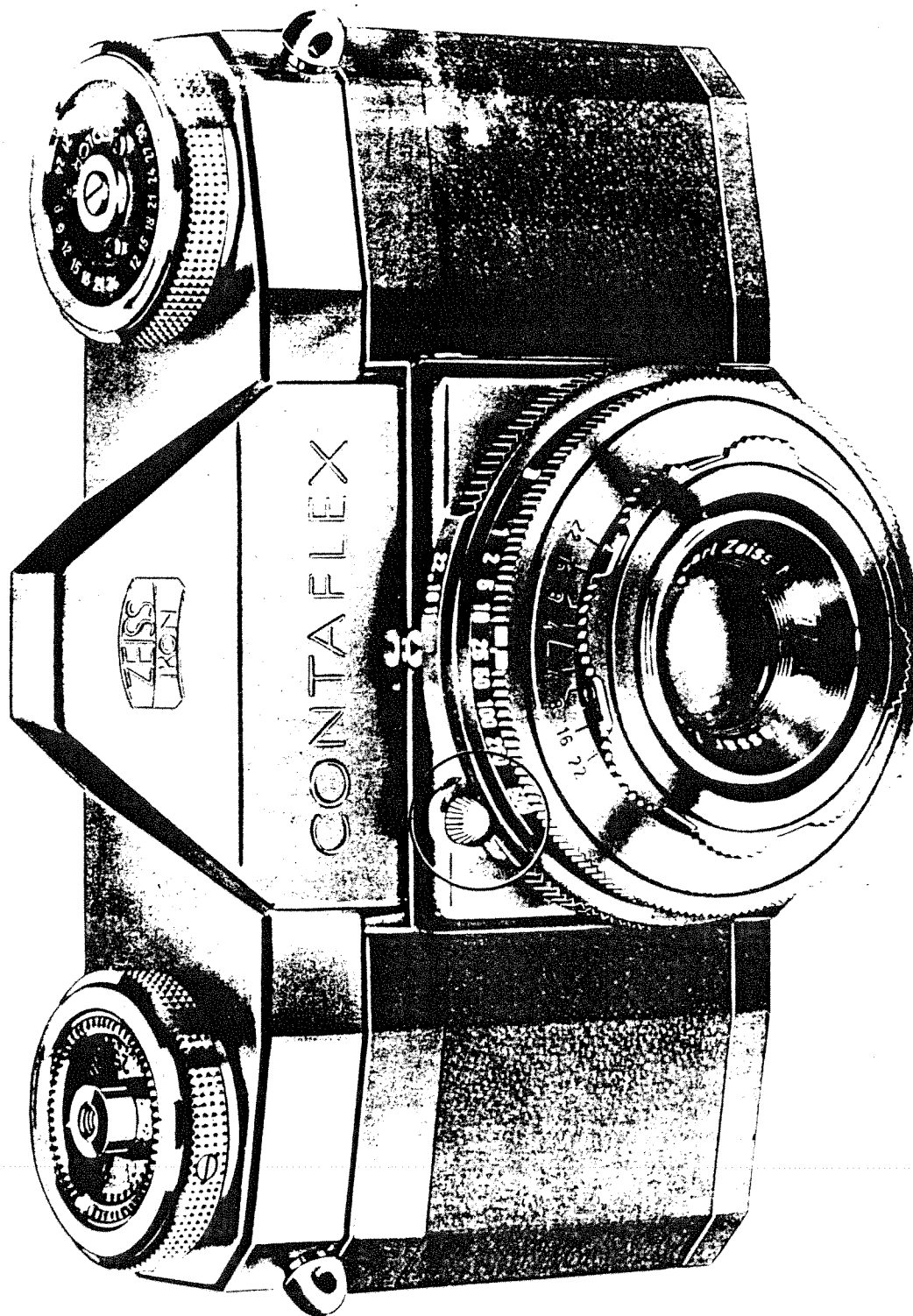


- |   |  |
|---|--|
| <p>1. Blende öffnen<br/>open diaphragm<br/>abrir el diafragma</p>                               | <p>4. Spiegelklappe in 42° 30' - Stellung<br/>set mirror flap at 42° 30'<br/>poner a 42,5° el espejo</p> |
| <p>2. Lichtklappe schließen<br/>shut dark slide<br/>cerrar la tapa de protección contra luz</p> | <p>5. Sektoren öffnen<br/>open shutter blades<br/>abrir las hojas del obturador</p>                      |
| <p>3. Verschluss spannen<br/>tension the shutter<br/>armar el obturador</p>                     | <p>6. Film transportieren<br/>transport film<br/>avanzar película</p>                                    |

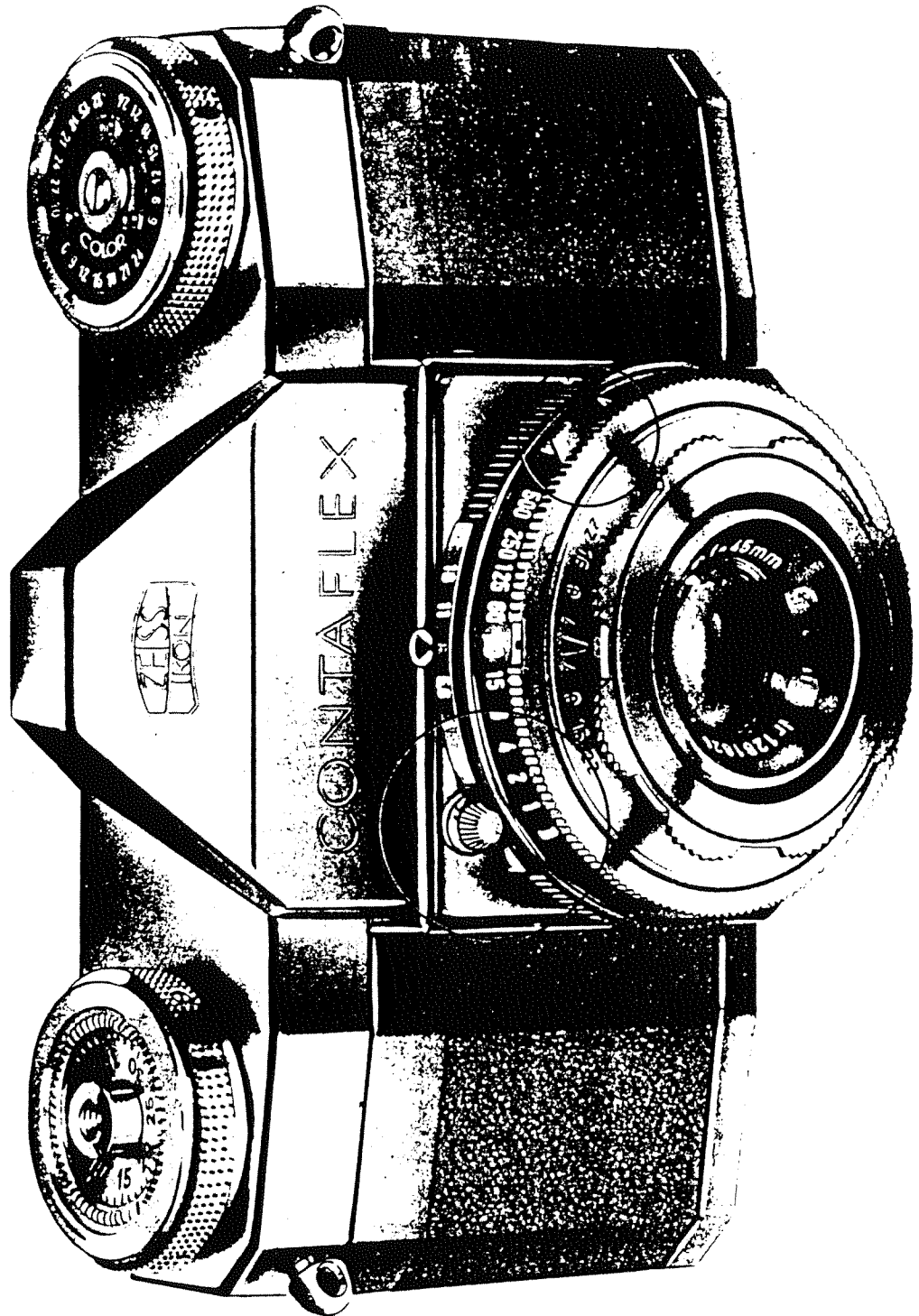
Aufzugsknopf 72453  
winding knob 72453  
botón de arrastre 72453











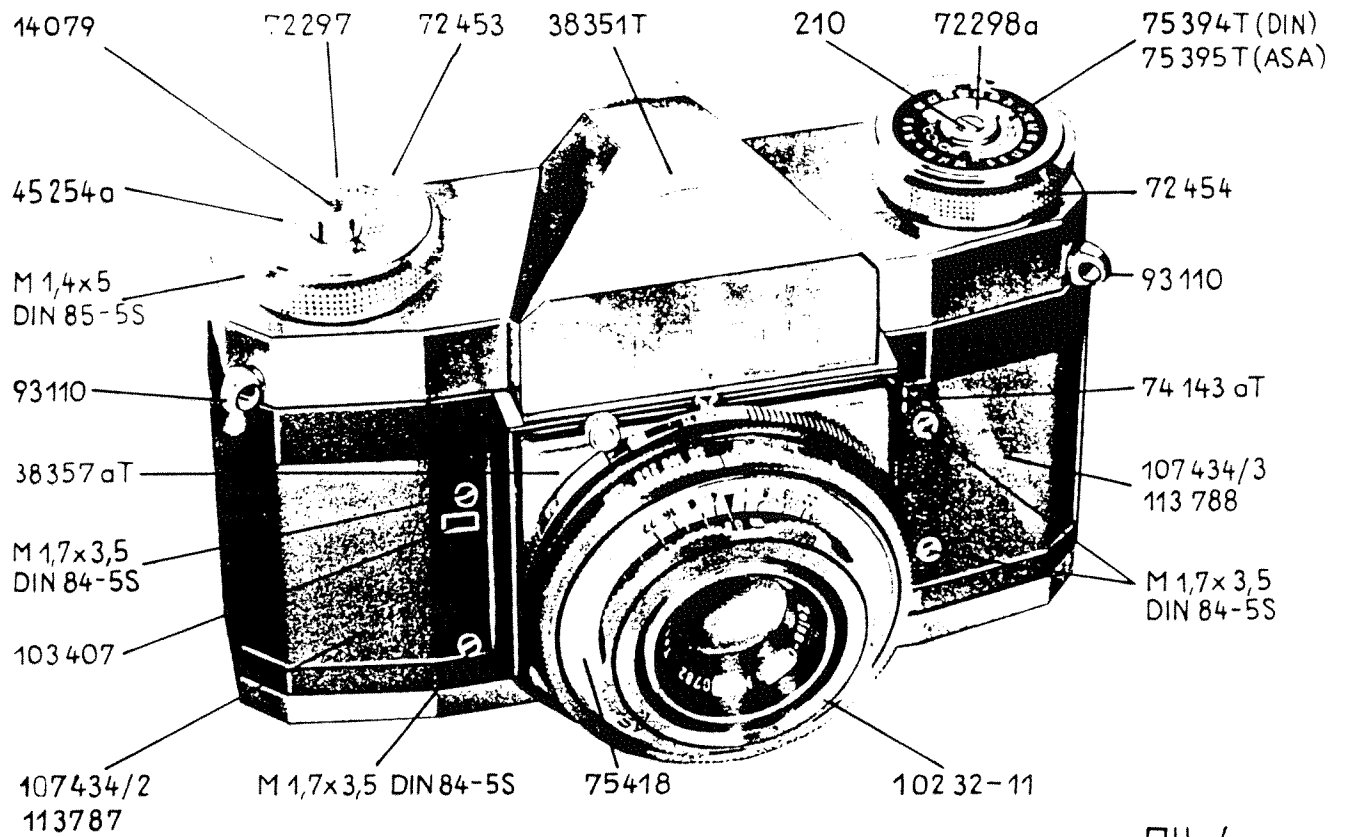


Fig. 4

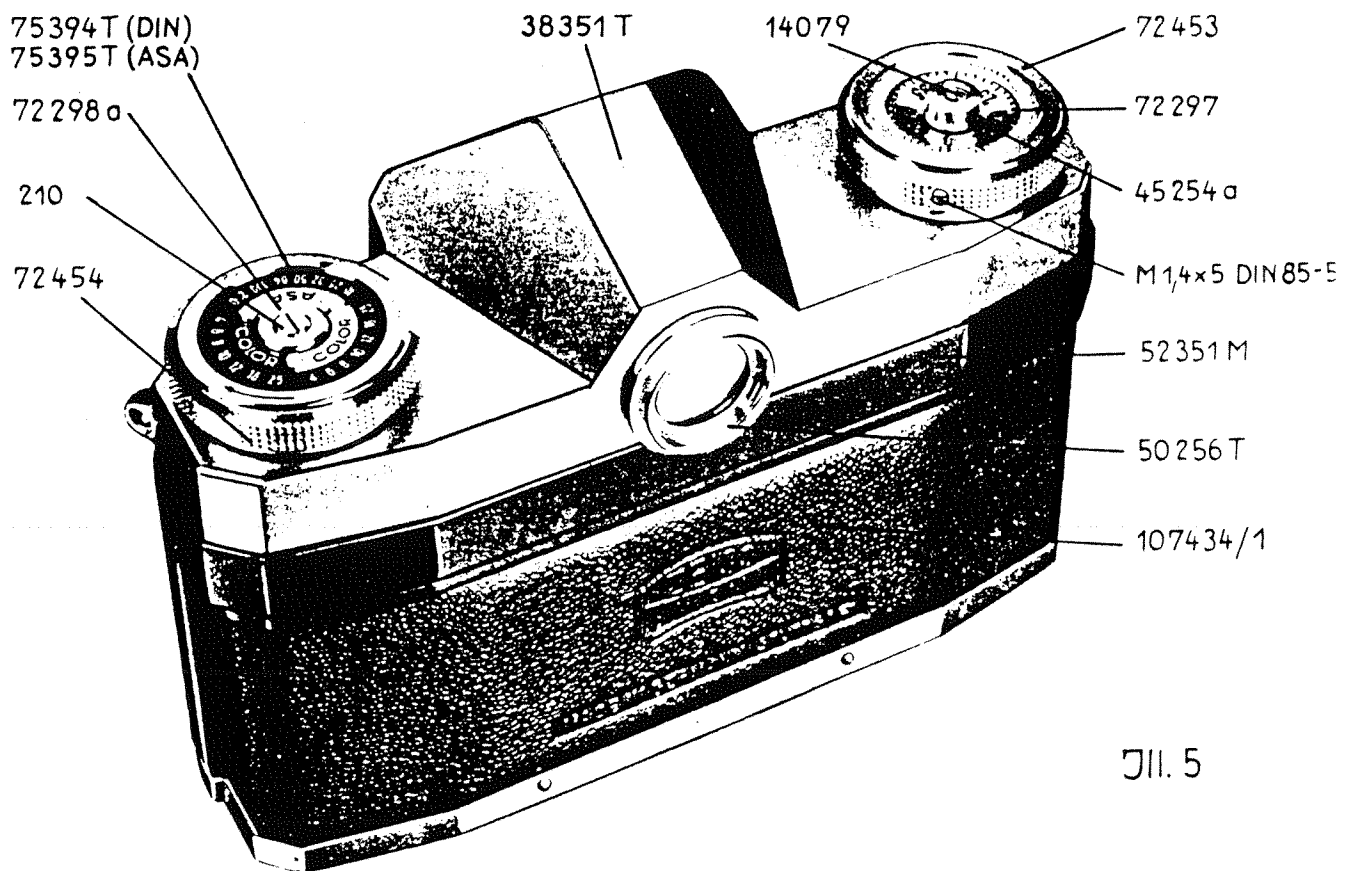
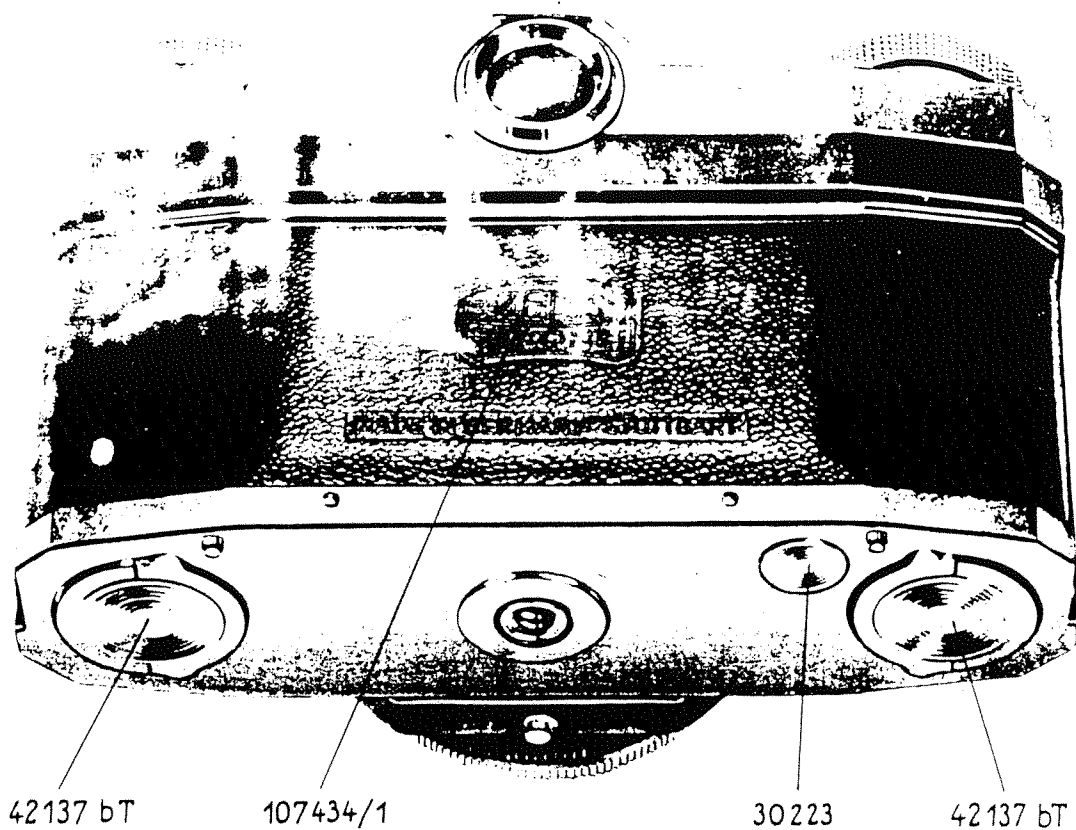
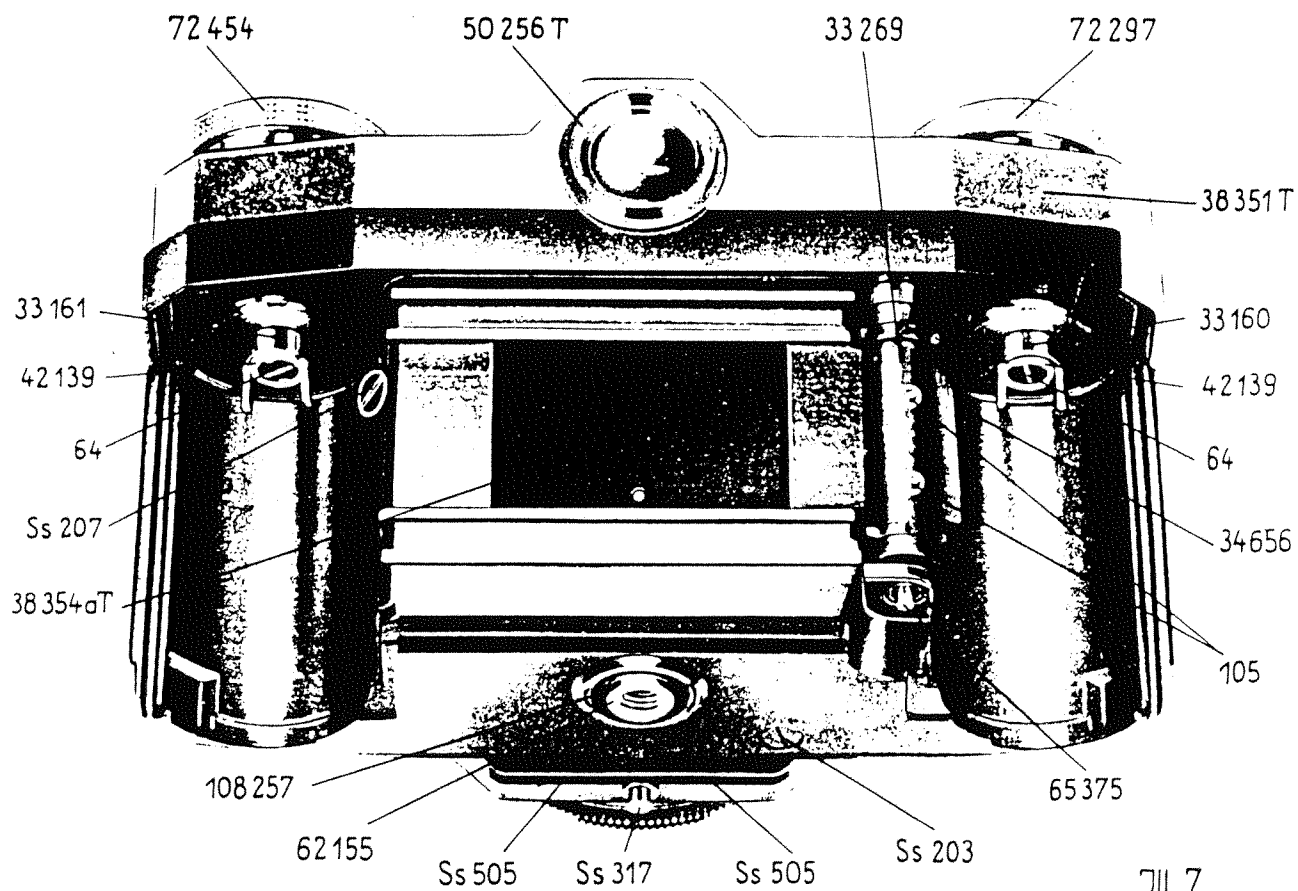


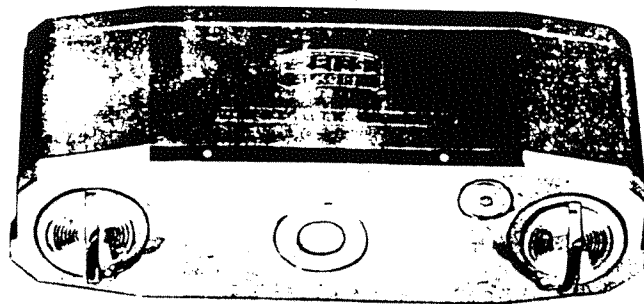
Fig. 5



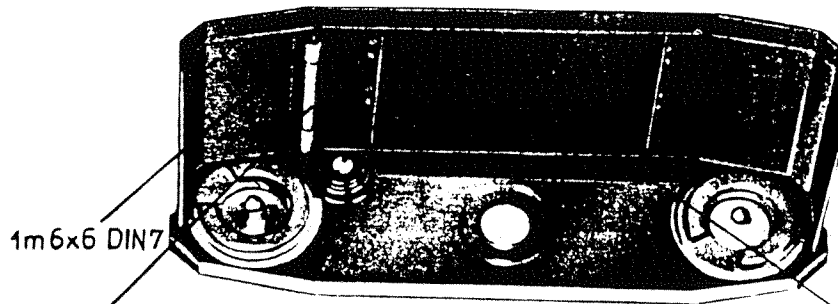
III.6



III.7



52 351 M



65 290

● Ss 421  
 23 501a  
 30 223

26 356 T

Ss 422a  
 15 313

Ss 422a

72 443

34 486



34 487



39 356



39 356



39 479



39 479



22 444



22 444

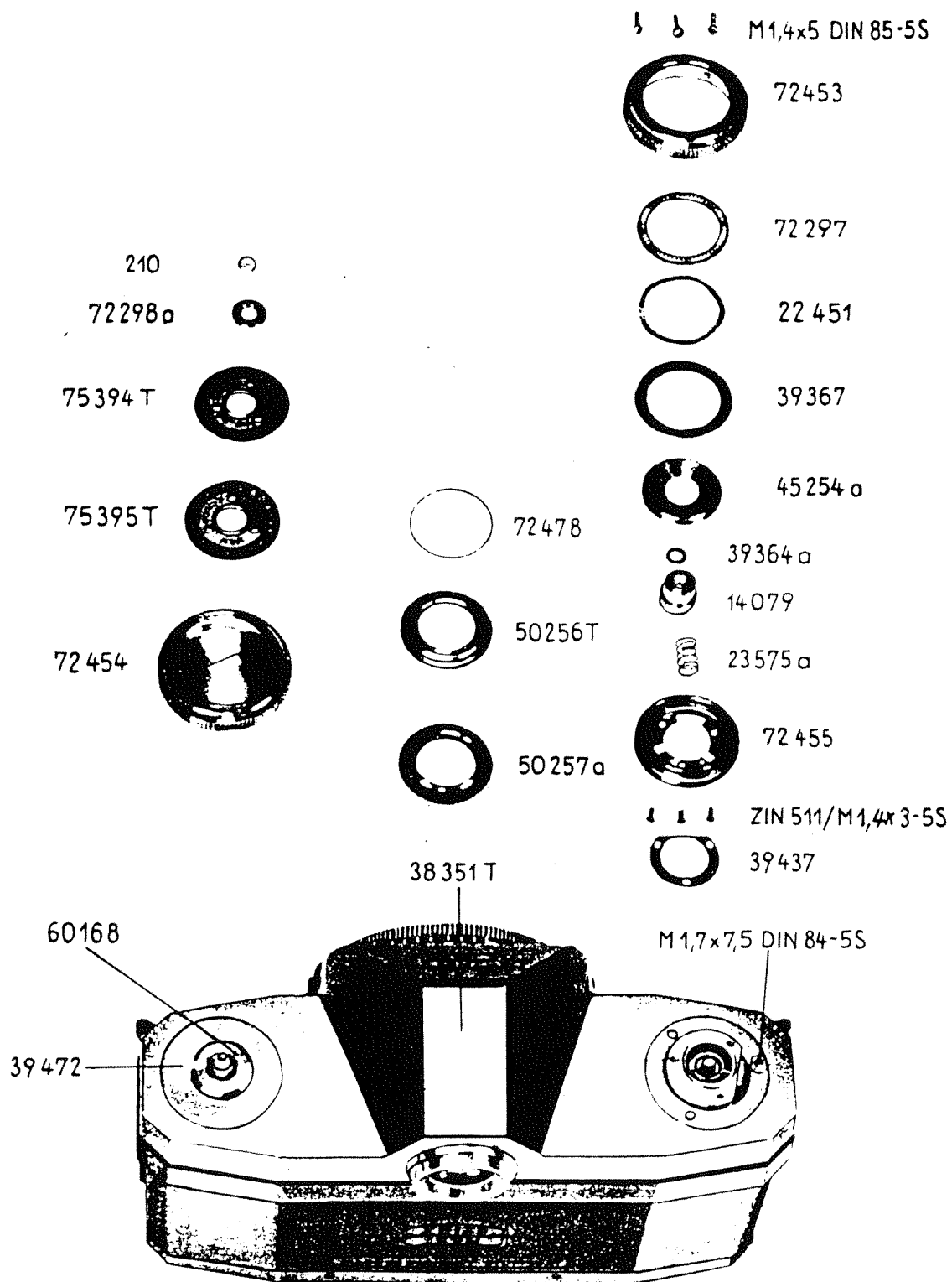


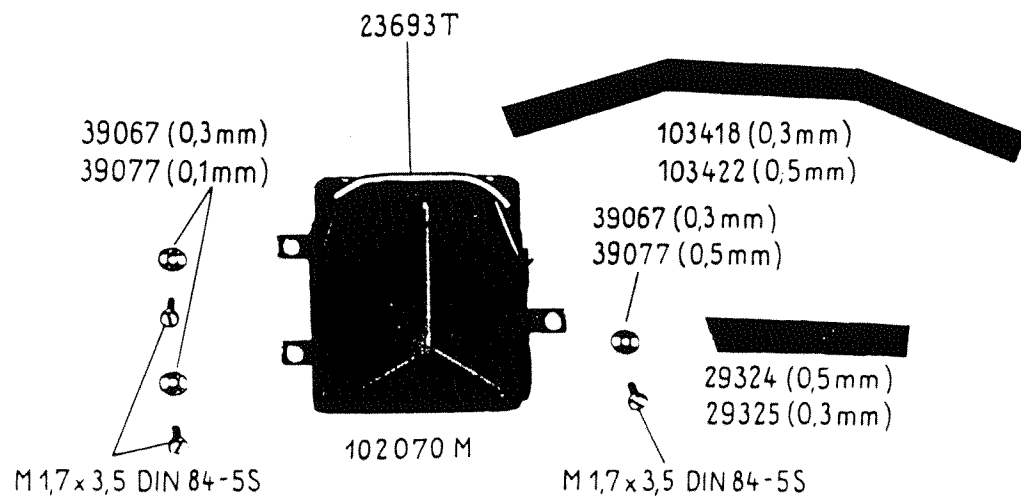
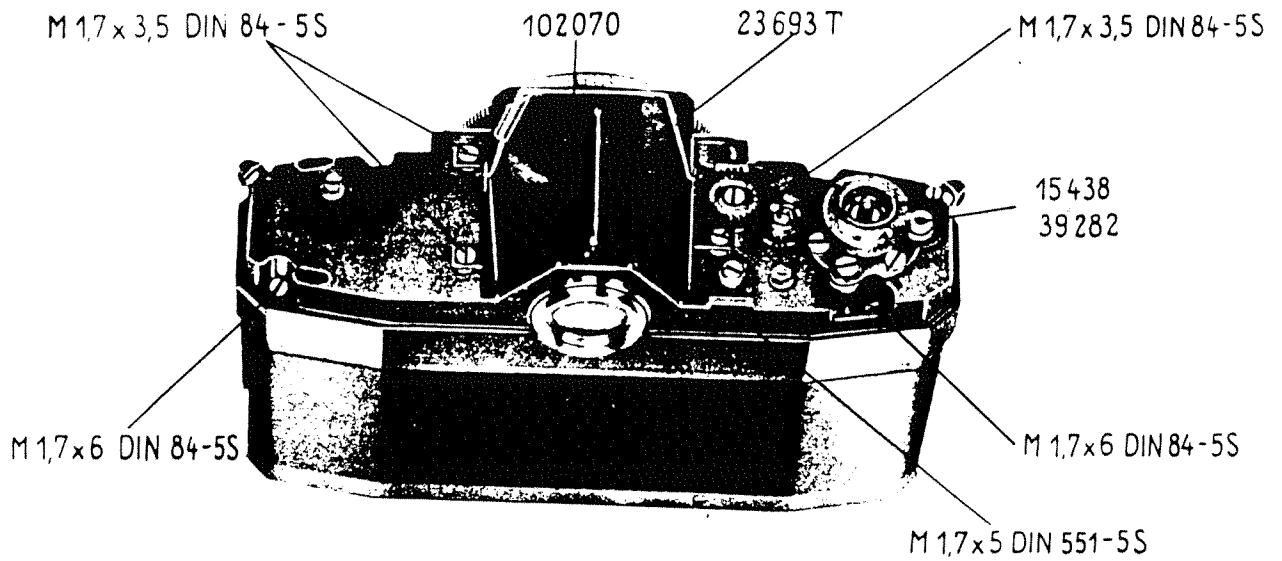
42 137 bT



42 137 bT







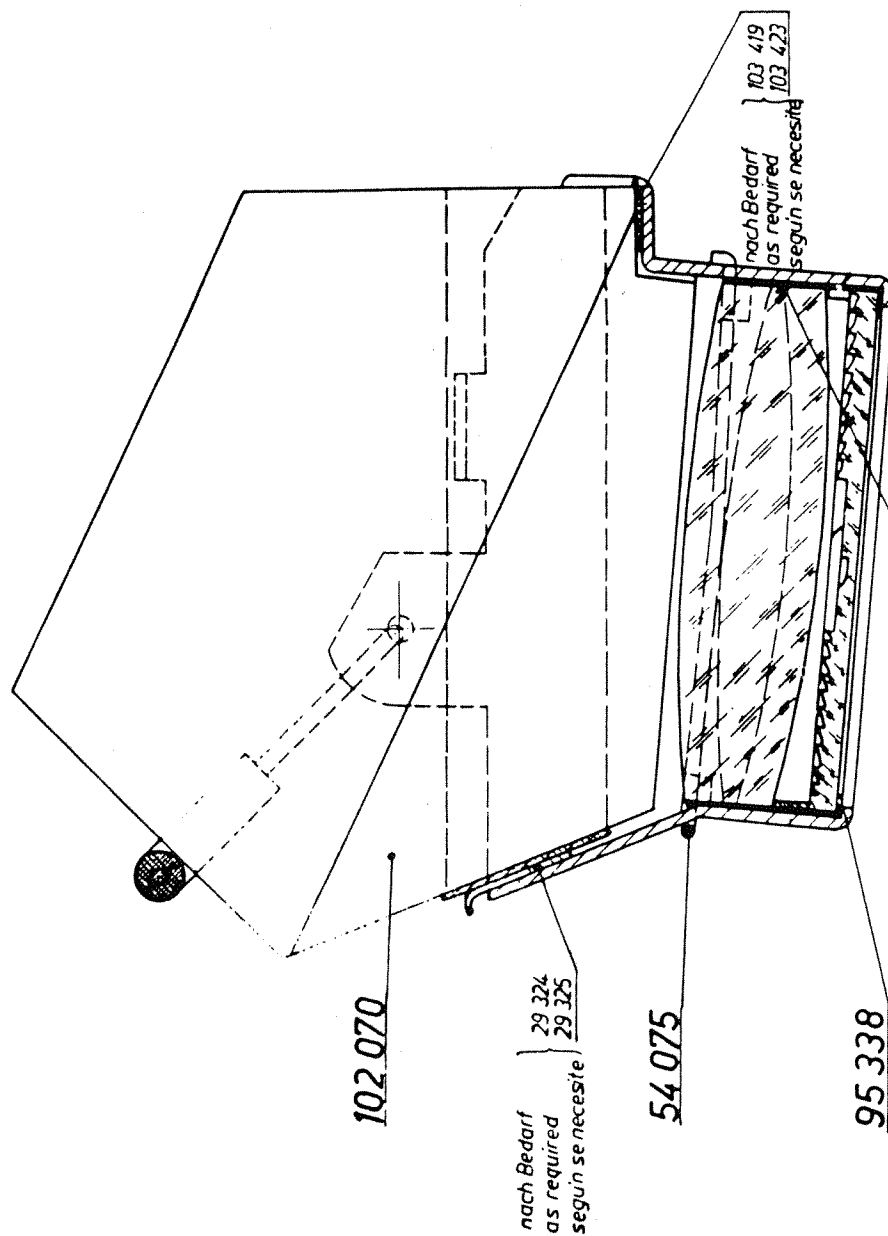
103389/103331

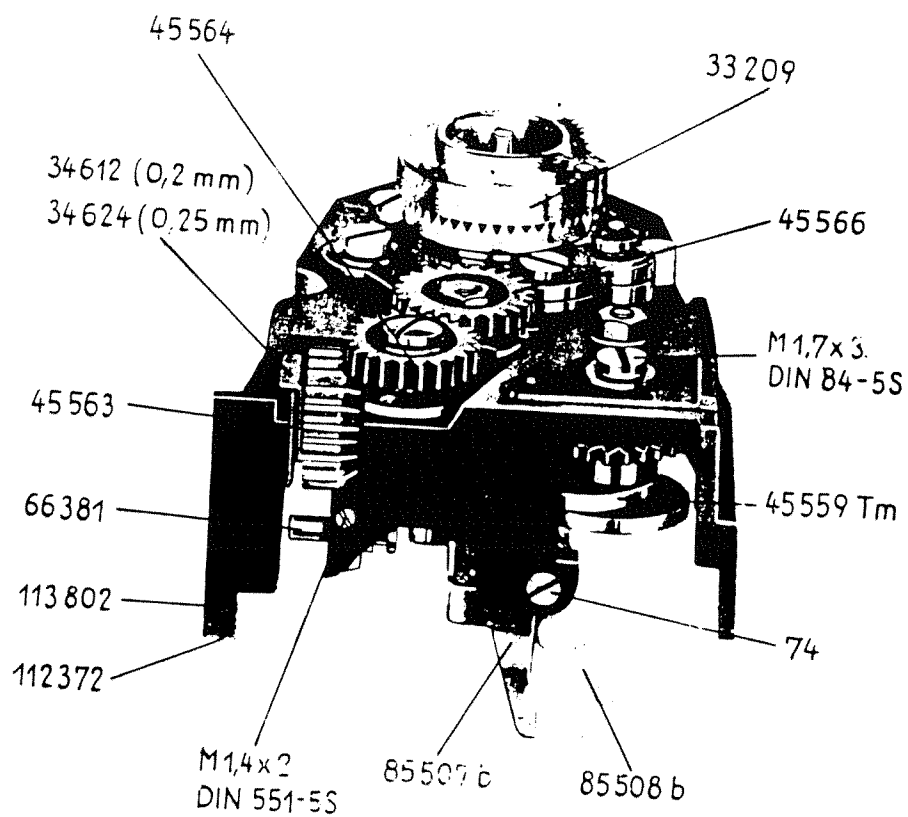


95338

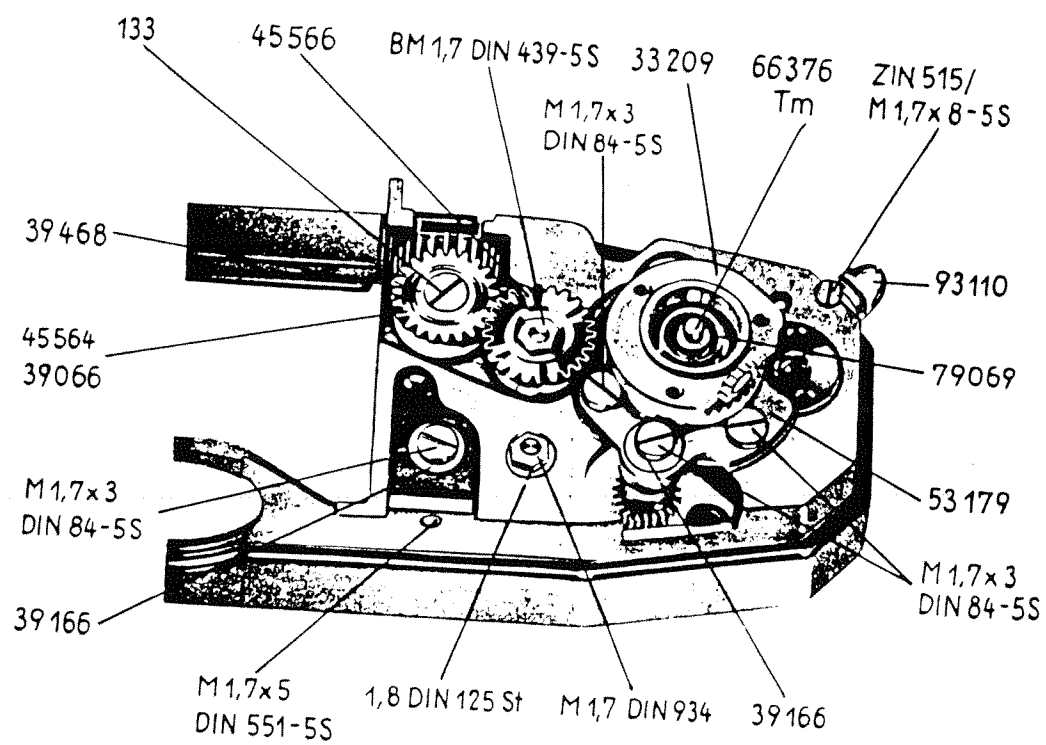


54075



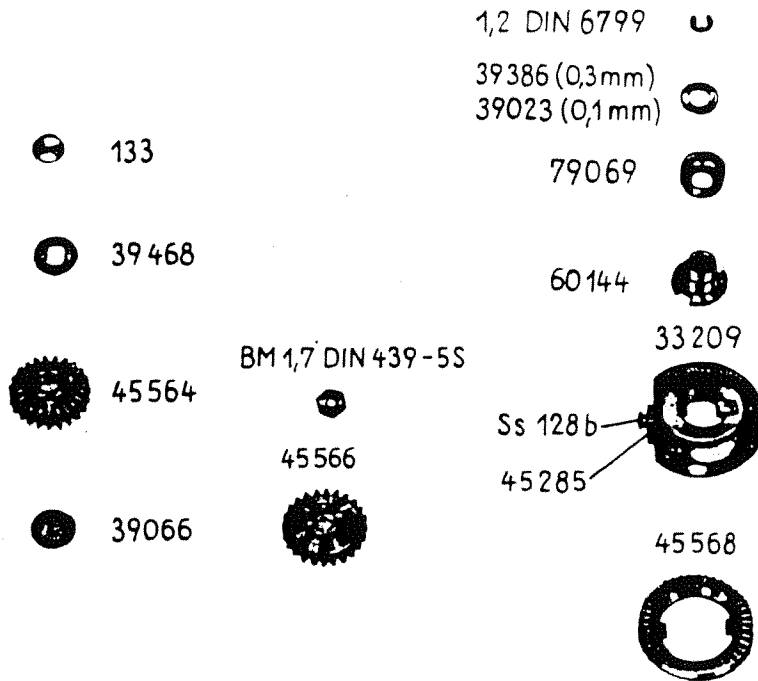


JII.12

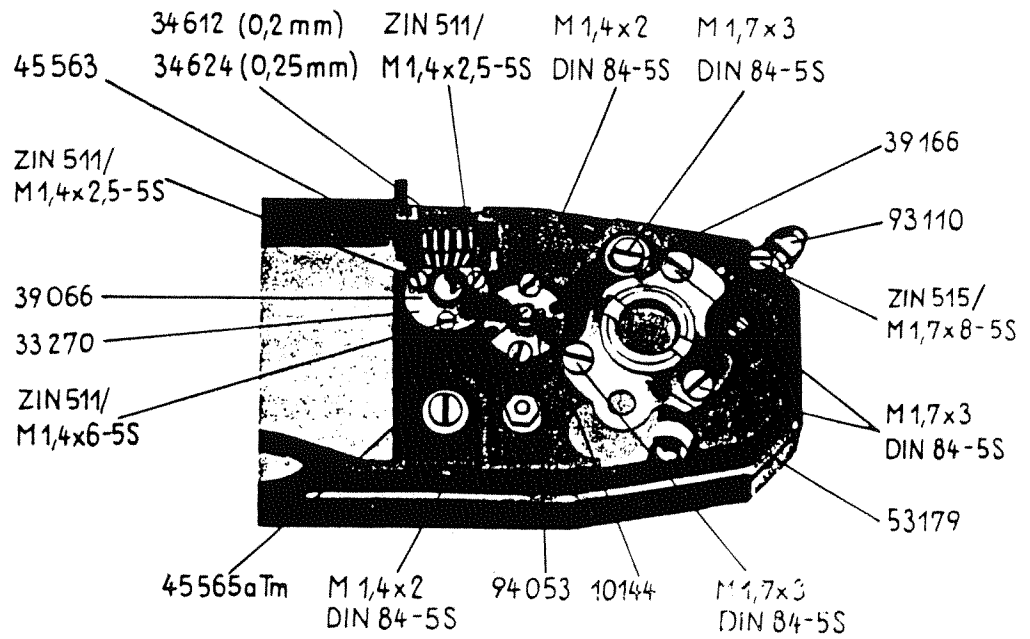


JII.13





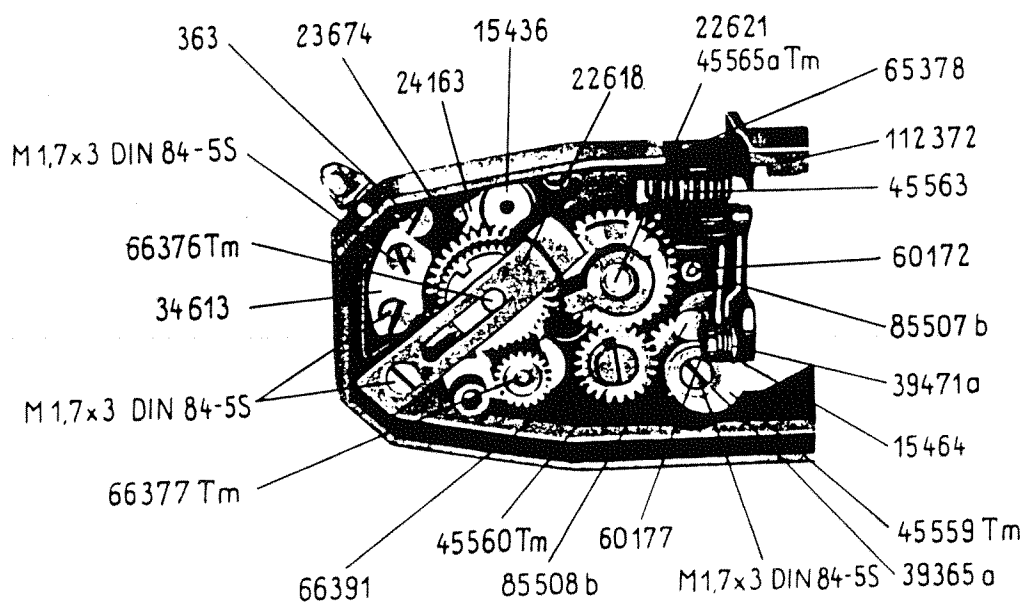
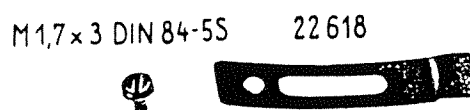
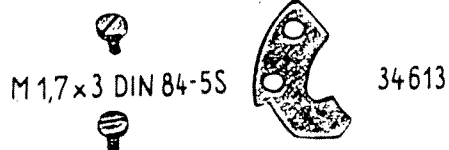
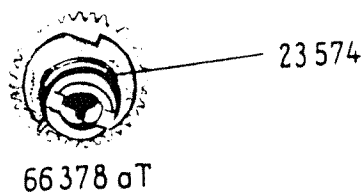
III. 14

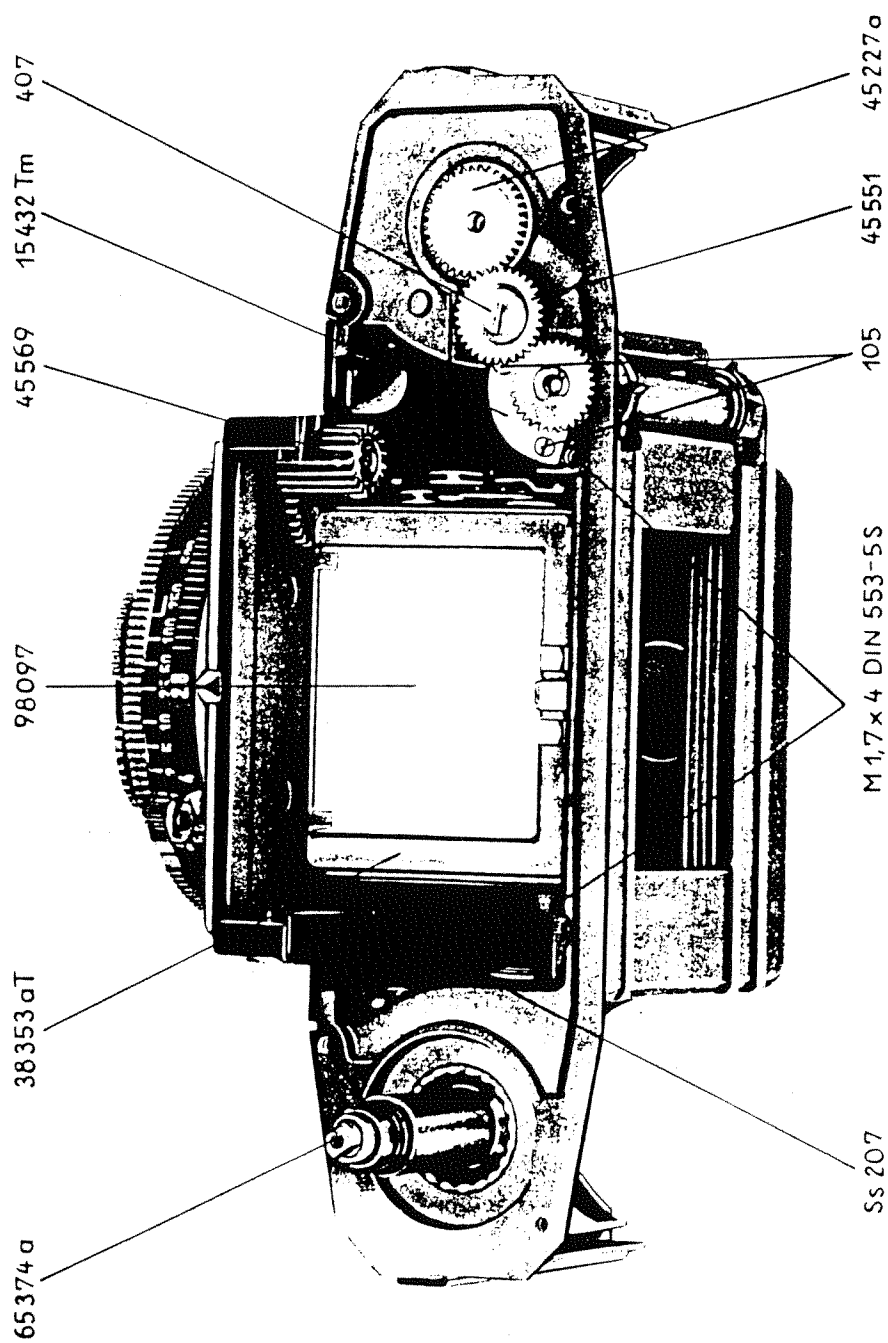


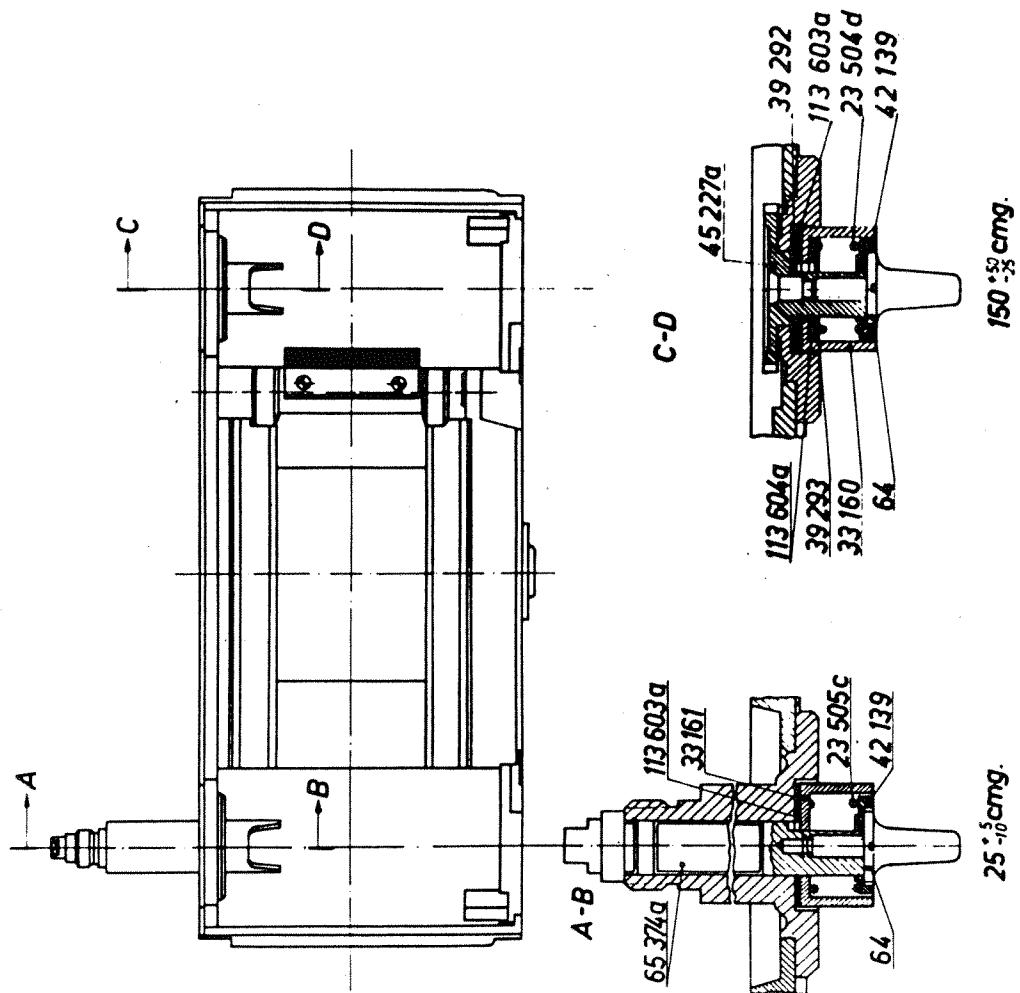
66377 m

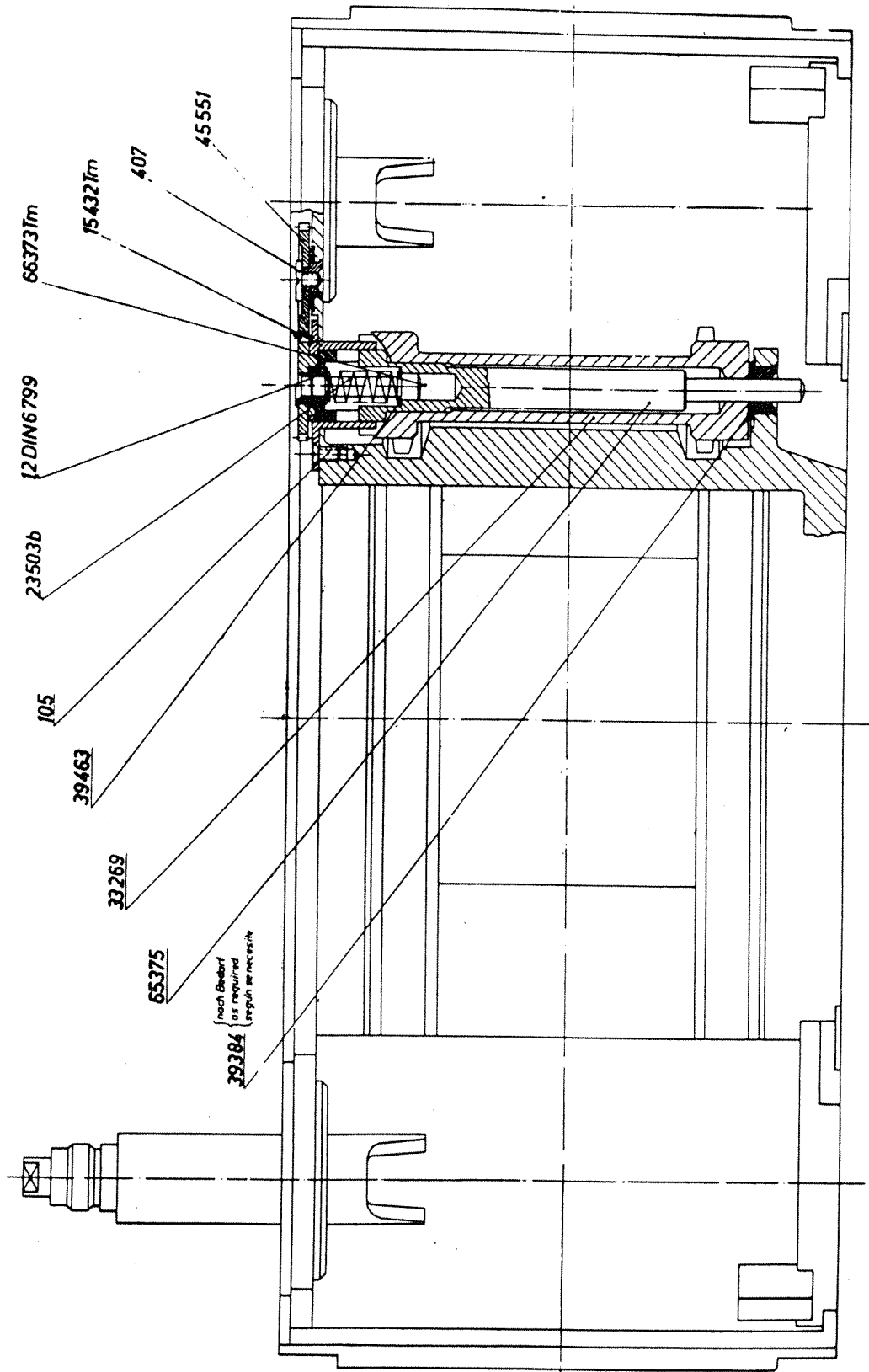
III. 15

12









M 1,7x2 DIN 84-Ms



34659

23668

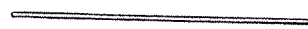
23669

23670

M 1,7x4 DIN 553-5S



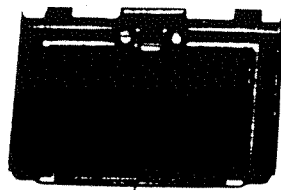
27 251



65 376

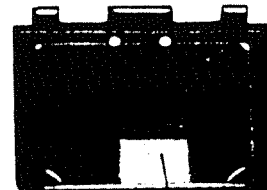


27 252



98097

38 353 aT



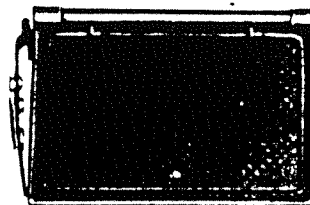
112370



85502 Tm

38354 aT

23676 a



M 1,7x4  
DIN 553-5S

34659

M 1,7x4  
DIN 553-5S

M 1,7x2 DIN 84-Ms

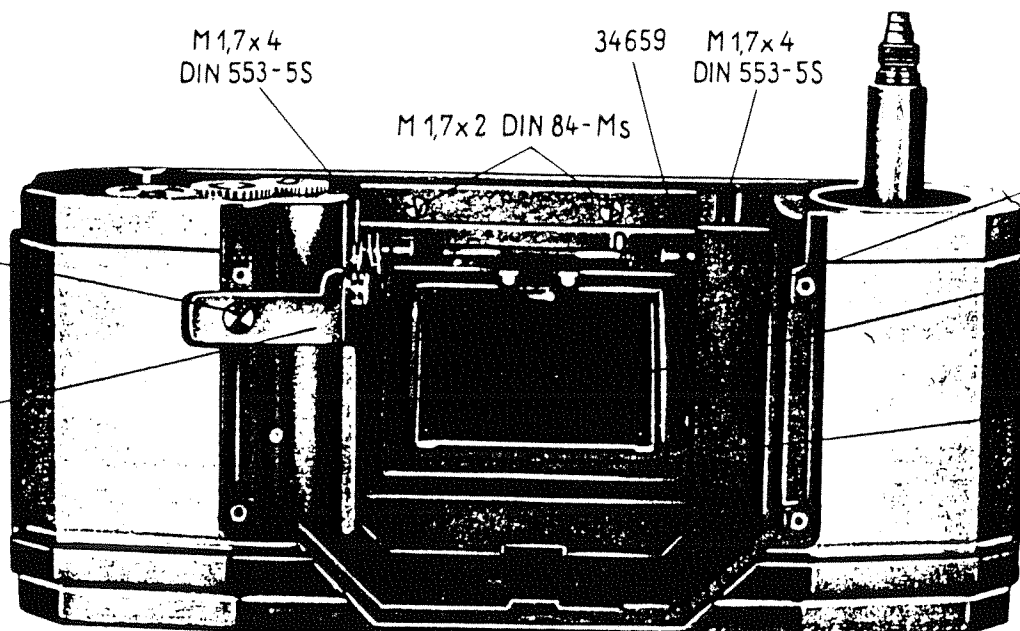
M 1,7x4,5  
DIN 84-5S

29 305 Tm

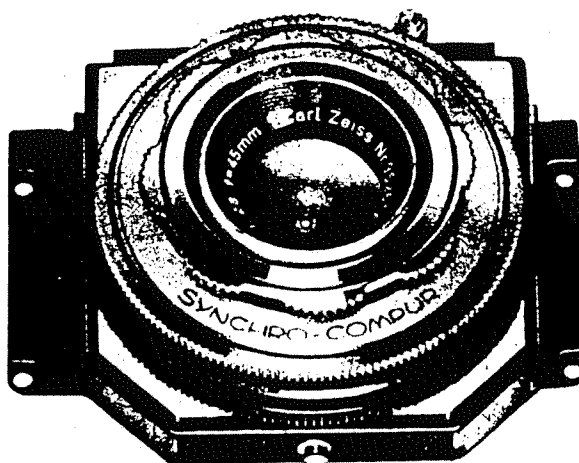
38 353 aT

98097

38354 aT



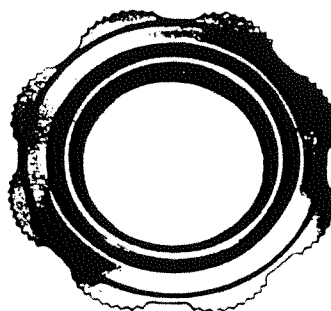
M1,7x3,5 DIN 84-5S



M1,7x3,5 DIN 84-5S

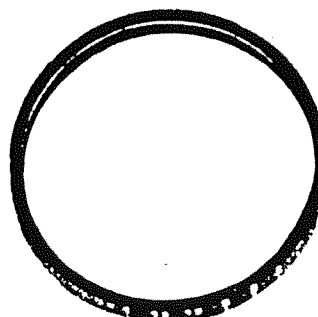
47 326 b M

1 02 32 - 11

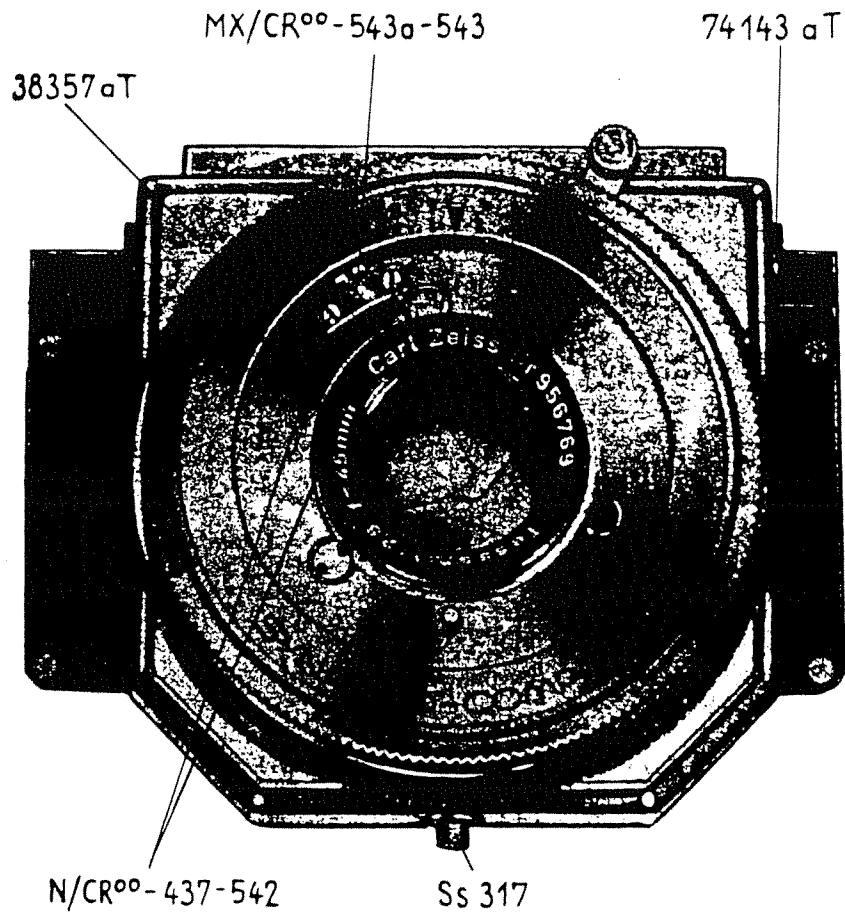


M1,2x1,5 DIN 551 St

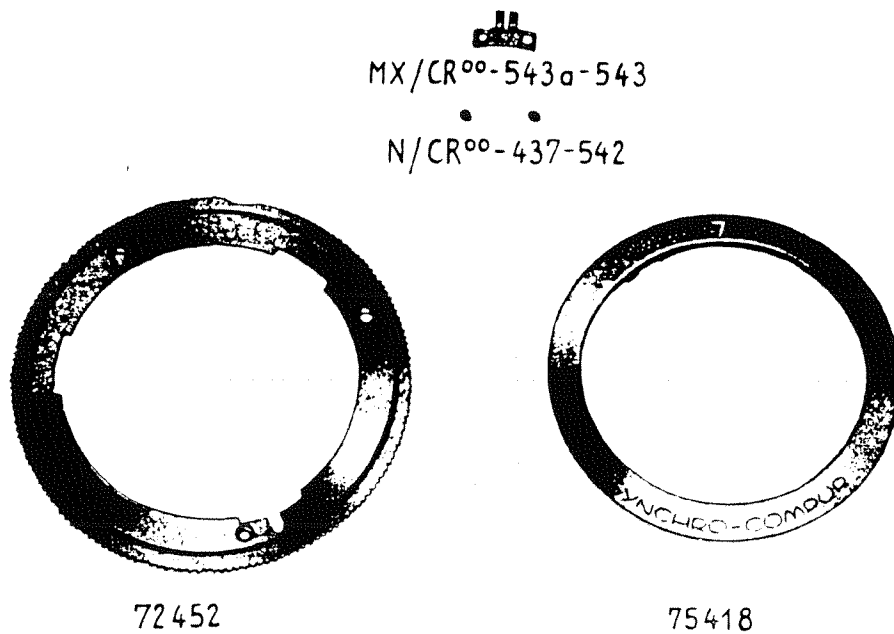
1 02 32 - 12



M1,7x2 DIN 553 St-5S



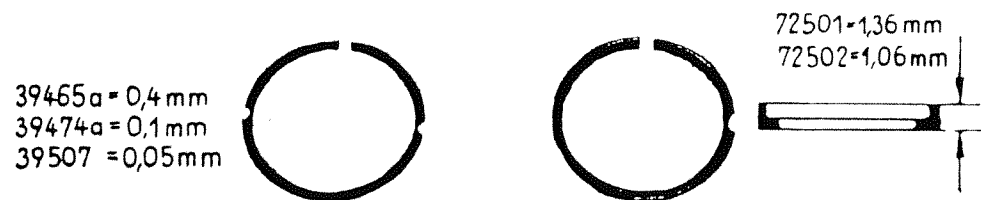
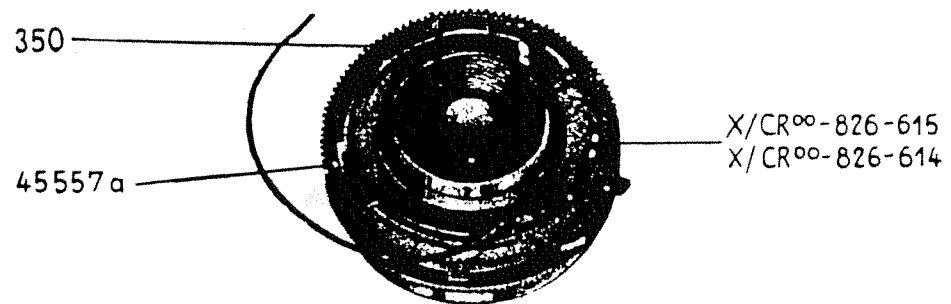
JII.22



MX/CR<sup>00</sup>-543a-584

JII.23



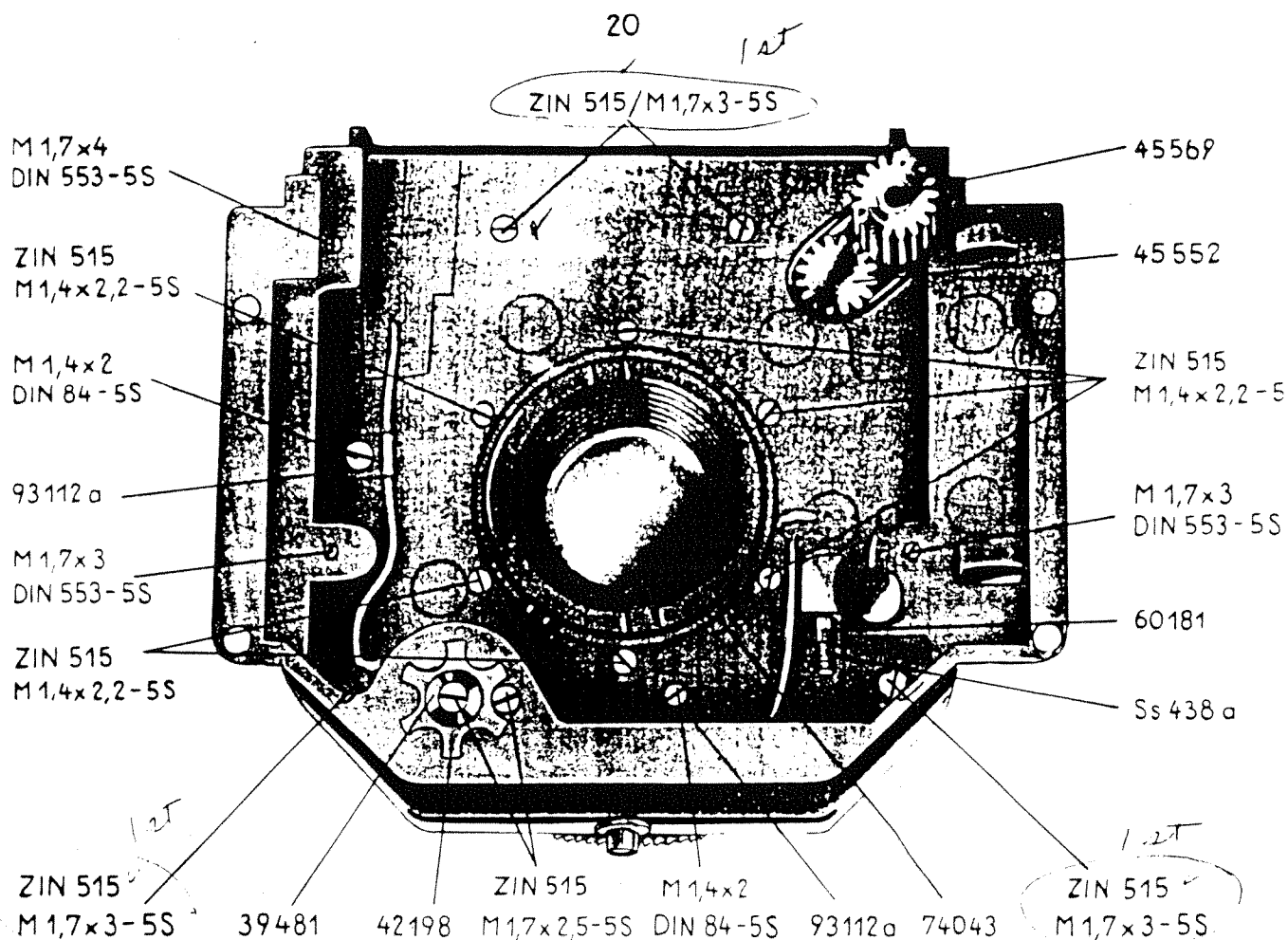


38 357 aT

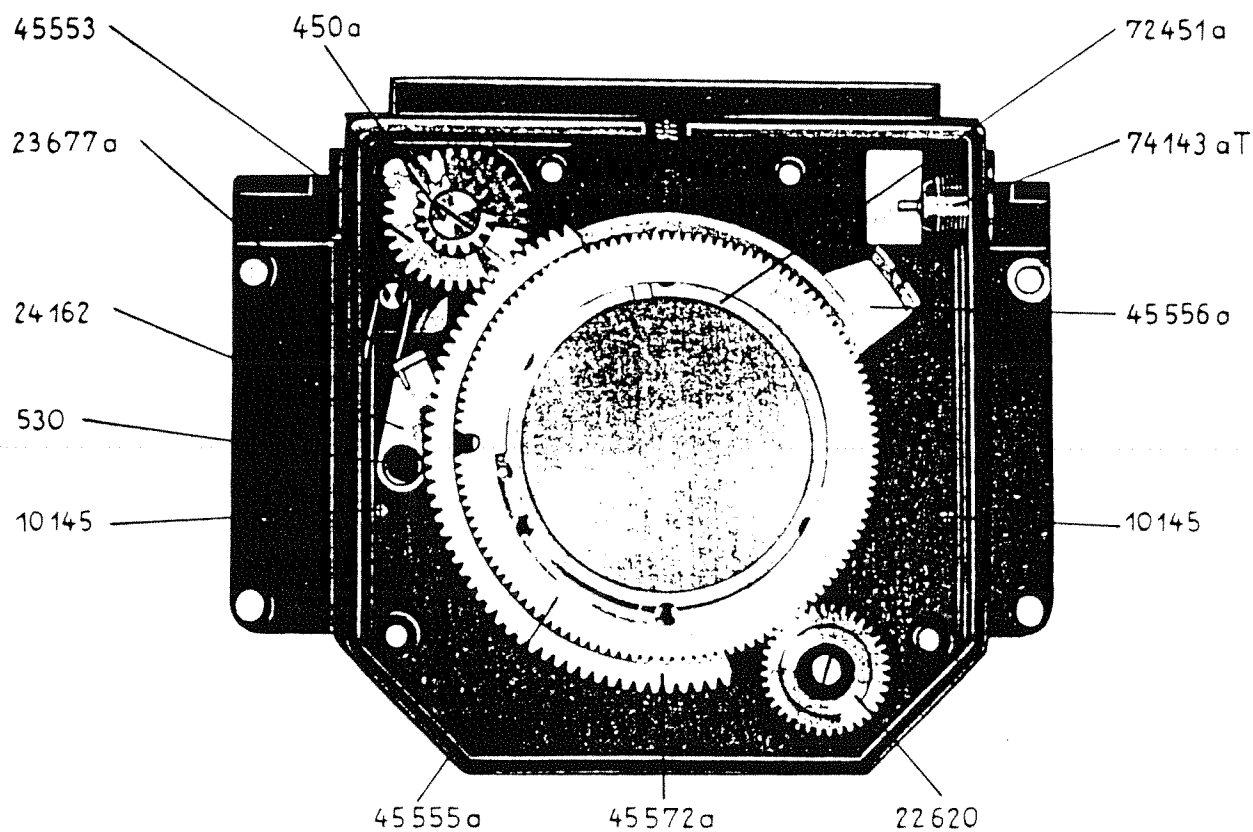
ZIN 515/M 1,7x3-5S

ZIN 515/M 1,7x3-5S

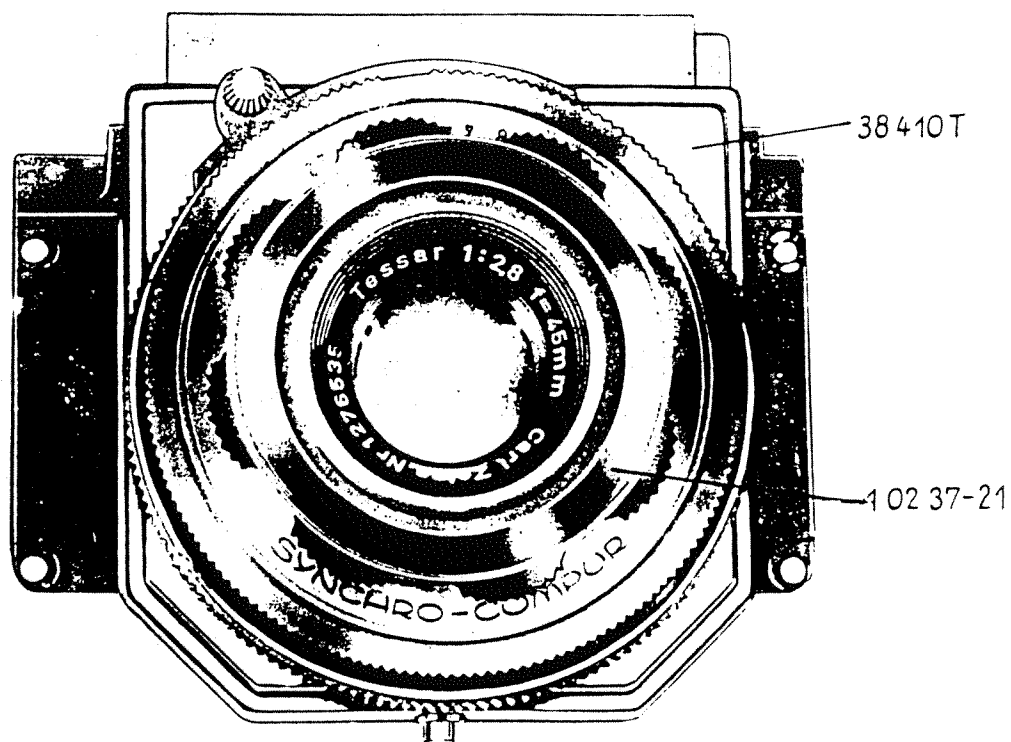
25 336



Дил. 25

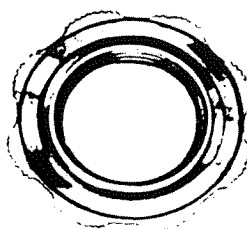


Дил. 26



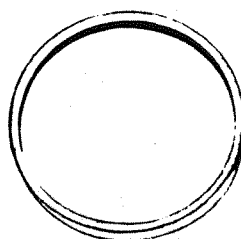
47351 aM

1 02 37-21

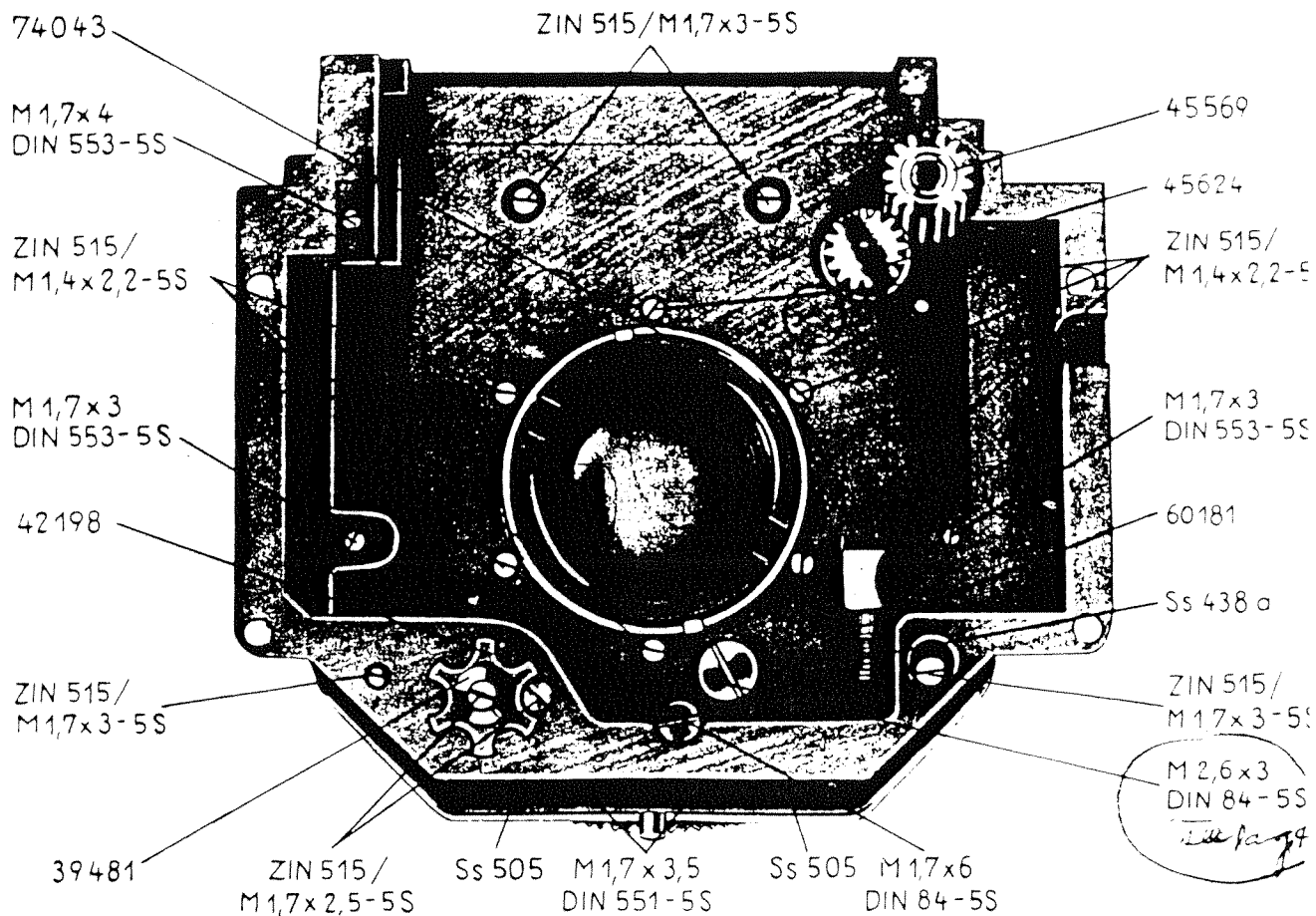


M 1,2x1,5 DIN 551 St

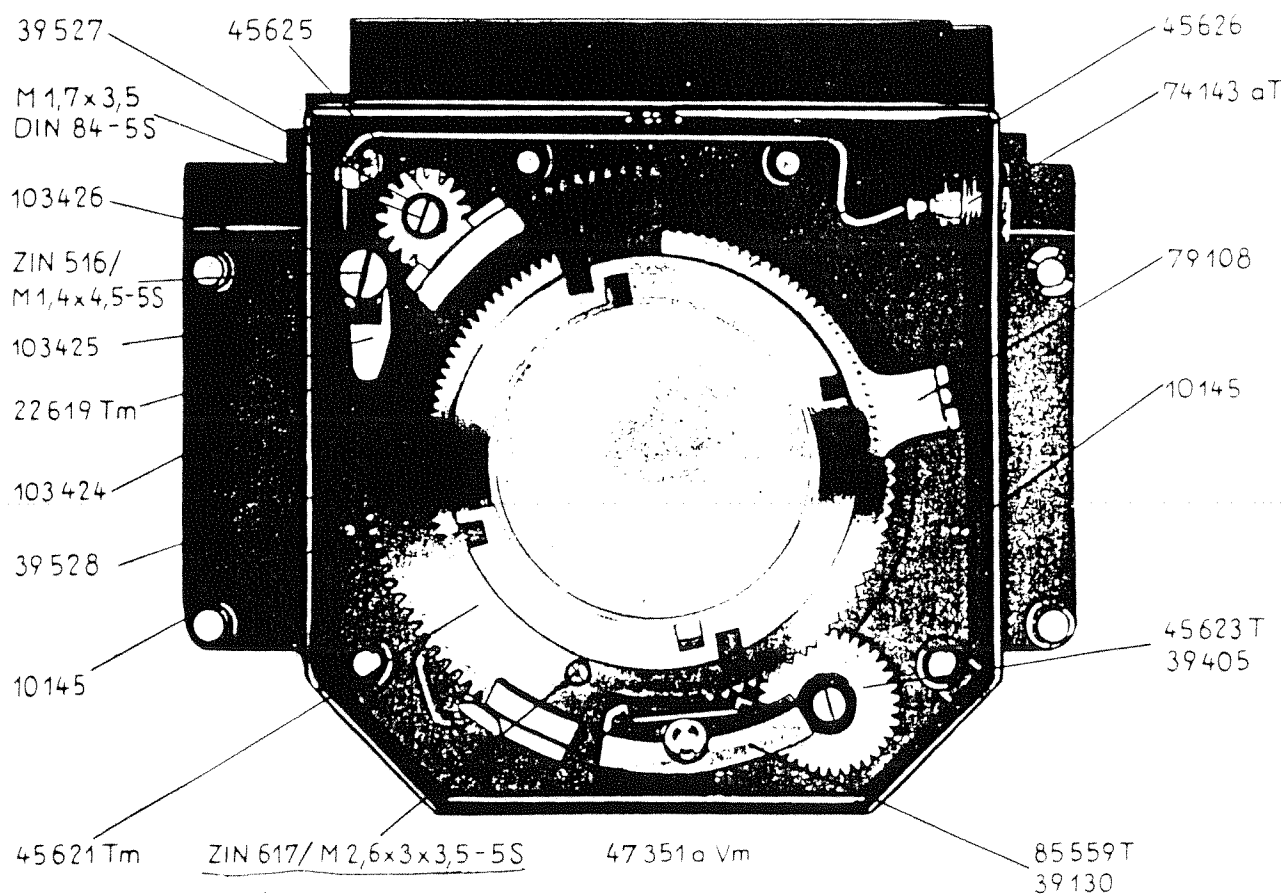
1 02 37-22



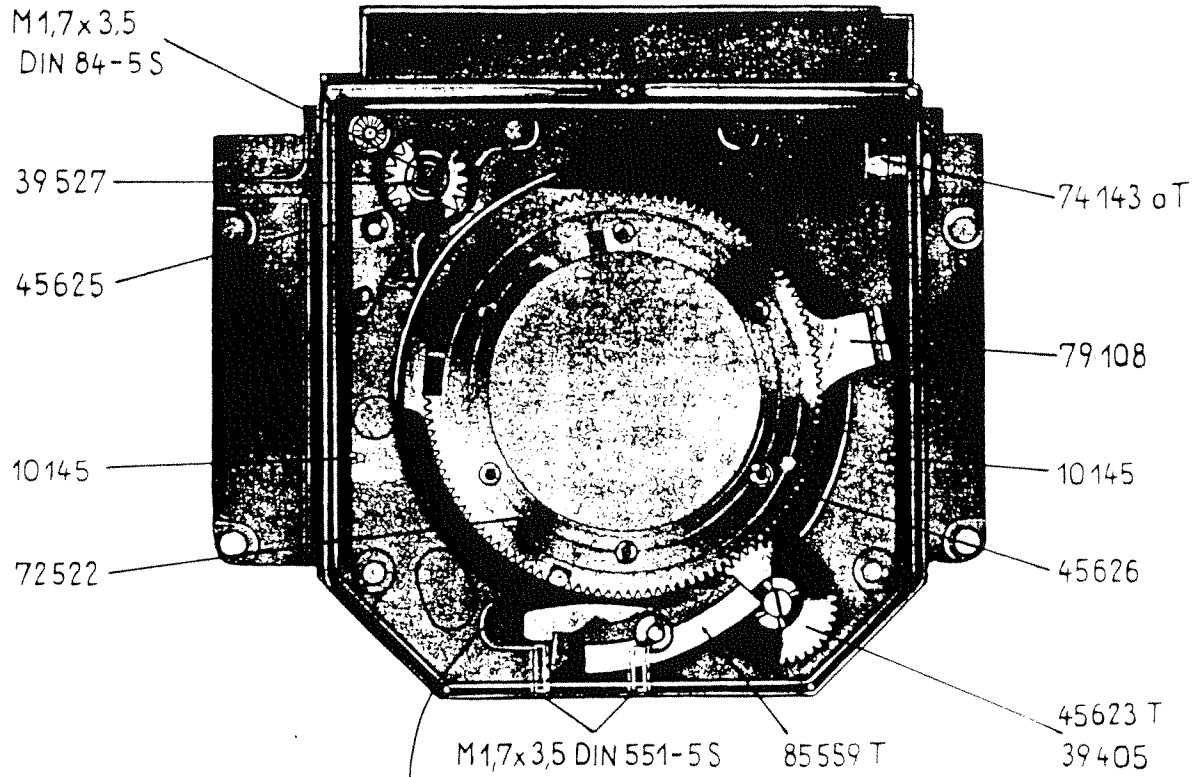
M 1,7x2 DIN 553 St-5S



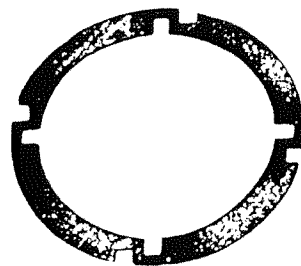
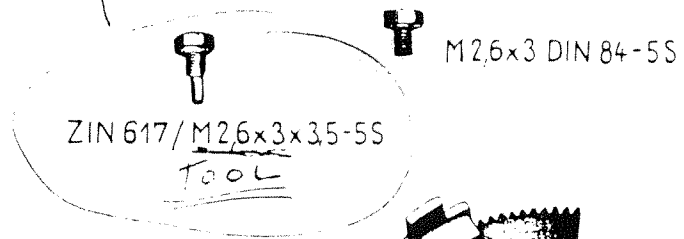
JII. 28



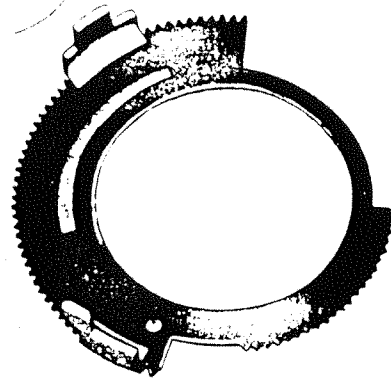
JII. 29



JII.30



39528

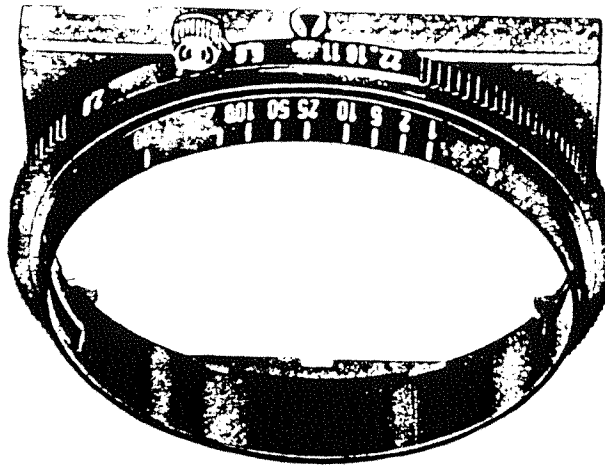


45621Tm

103424 22619 103425 103426 ZIN 516/M1,4x4,5-5S

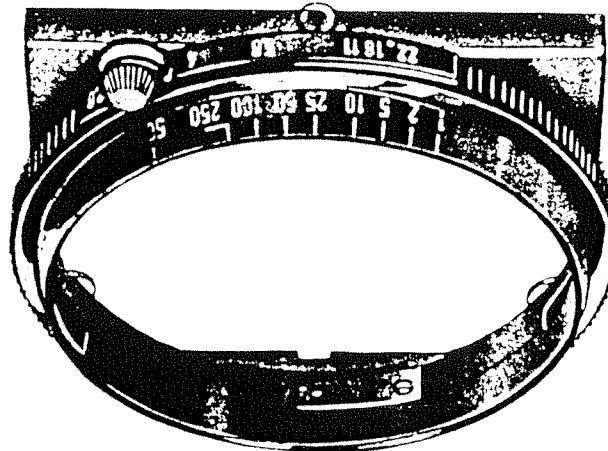


JII.31



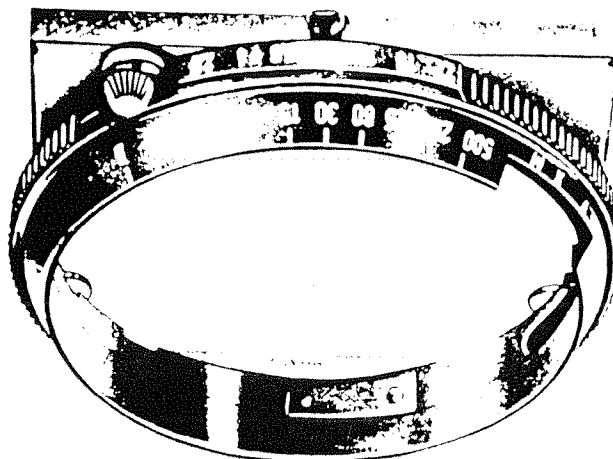
38357 aT

III. 32



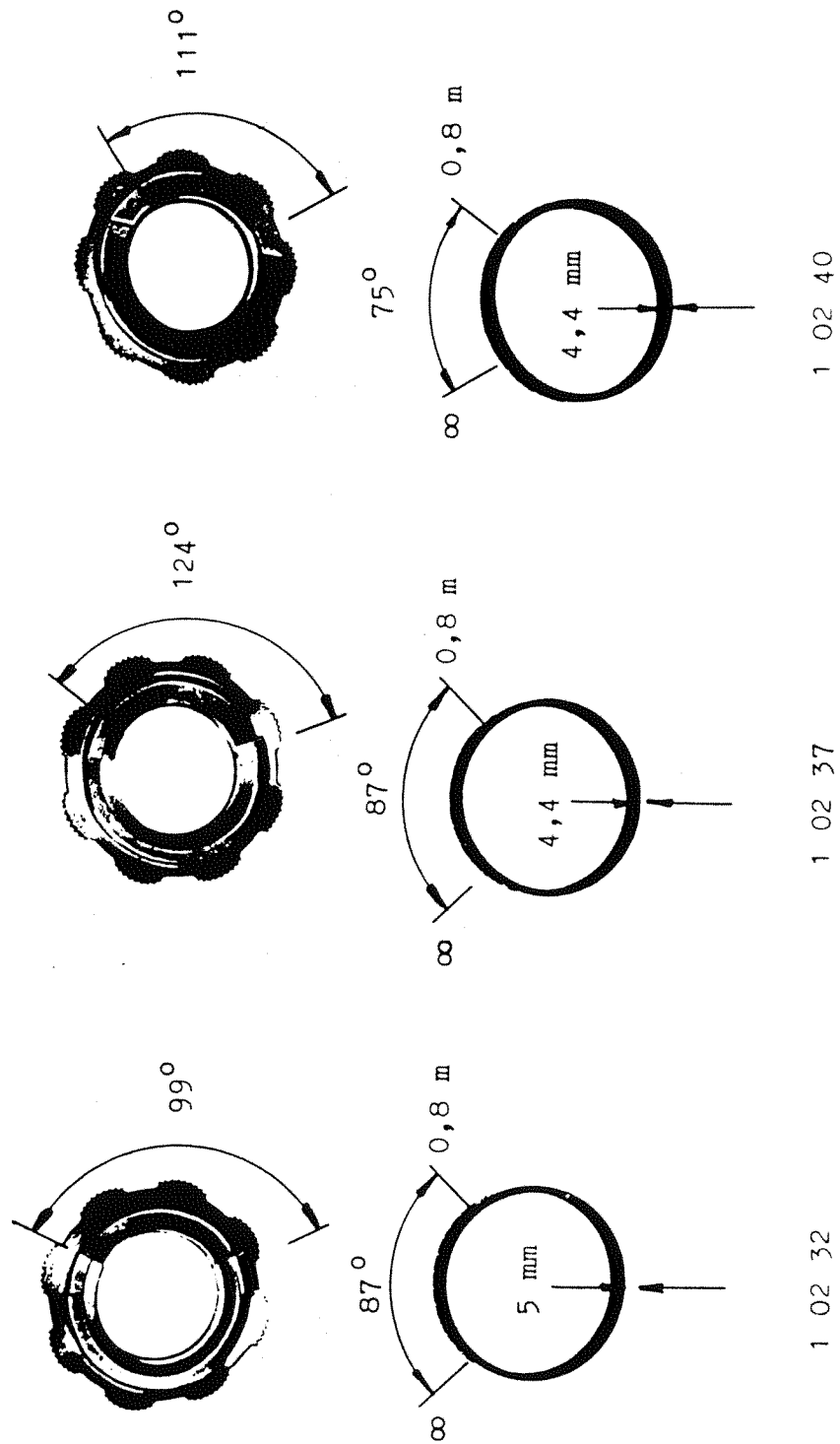
38357 aT/1

III. 33



38410 T

III. 34







Zeiss Ikon A.G. Stuttgart

Ersatzteil - Preisliste

Ausgabe: Mai 1955

Price list f. spare parts

Lista de precios p. piezas de recambio

Published: May 1955

Contaflex I

Edición: Mayo 1955

Teil-Nr. Serial No. Pieza N.º	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück			Netto-Preis Net price Precio
				Number - Número			
				861/24	/24 Z	/24 A	
64	Zylinderschraube Fillister-head screw Tornillo sin fin	7, 18	Gehäuse mont. 52 349 T, 52 349 aT Housing Caja	2	2	2	
74	Zylinderschraube Fillister-head screw Tornillo sin fin	12	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
105	Senkschraube Countersunk screw Tornillo embutido	7,17,19	Gehäuse mont. 52 349 T, 52 349 aT Housing Caja	2	2	2	
			Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	2	2	2	
133	Linsenschraube Lens head screw Tornillo de cabeza lenticular	13,14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
210	Schraube Screw Tornillo	4,5,9	Camera compl.mont.861/24 M-/24 ZM-/24 AM- Camera Cámara	1	1	1	
350	Schraube Screw Tornillo	24	Objektivträger vollst. 47 326 bM, 47 354 M Lens carrier Portador de objetivo	1*)	1*)	-	
363	Ansatzschraube Rim screw Tornillo con resalte	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
407	Zylinderschraube Fillister-head screw Tornillo sin fin	17,19	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
450 a	Linsenschraube Lens head screw Tornillo de cabeza lenticular	26	Objektivträger mont. 47 326 bVm, 47 354 Vm Lens carrier Portador de objetivo	1	1	-	
Ss 128 b	Ansatzschraube Rim screw Tornillo con resalte	14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
Ss 203	Zylinderschraube Fillister-head screw Tornillo sin fin	7	Camera compl.mont.861/24 M-/24 ZM-/24 AM- Camera Cámara	1	1	1	
Ss 207	Zylinderschraube Fillister-head screw Tornillo sin fin	7,17	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
Ss 317	Exzentrerschraube Eccentric screw Tornillo excéntrico	7,22	Camera compl.mont.861/24 M-/24 ZM-/24 AM- Camera Cámara	1	1	1	

\*) Nach Bedarf  
as required  
Según convenga

64 - Ss 317

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ción: Mayo 1955

l.-Nr. Serial No. Código	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number - Número			Netto-Preis Net price Precio
				861/24	/24 Z	/24 A	
Ss 421	Schraube Screw Tornillo	8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1	
Ss 422 a	Schraube Screw Tornillo	8	Rückwand compl. 52 351 M Camera back Tapa posterior	2	2	2	
Ss 438 a	Gewindestift m. Zapfen  Threaded pin w. pivot Perno con rosca y pivote	25,28	Objektiv-Träger mont. 47 326 bVm 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	1	1	1	
Ss 504 a	Zapfenschraube  Pivoted screw Tornillo pivotado	24	Vord.Deckkappe mont. 38 357 aT, aT/1, 39 410 T Front covering cap Tapa recubridora delantera	1	1	1	
Ss 505	Gewindestifte  Threaded pin Perno con rosca	7,28	Objektiv-Träger mont. 47 326 bVm, 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	2	2	2	
ZIN 511/ 1,4x2,5-55	Senkschraube Countersunk screw Tornillo embutido	15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	2	2	2	
ZIN 511/ 1,4x3-55	Senkschraube Countersunk screw Tornillo embutido	9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	3	3	3	
ZIN 511/ 1,4x6-55	Senkschraube Countersunk screw Tornillo embutido	15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
ZIN 515/ 1,4x2,2-55	Zylinderschraube  Fillister-head screw Tornillo sin fin	25,28	Objektiv-Träger mont. 47 326 bVm 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	6	6	6	
ZIN 515/ 1,7x2,5-55	Zylinderschraube Fillister-head screw Tornillo sin fin	25,28	Federhaus mont. 45 554 T Spring housing Caja de resorte  Objektiv-Träger mont. 47 326 bVm, 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo  Objektiv-Träger vollst. 47 326 bM, 47 354 M, 47 351 aM Lens carrier Portador de objetivo	1	-	-	
				1	1	1	
				1	1	1	

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Edition: Mayo 1955

Teil-Nr. Serial No. Pieza N.º	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück		
				861/24	24 Z	104 A
ZIN 515/ M 1,7x3-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	24,25,28	<u>Objektiv-Träger vollst. 47 326 bM, 47 354 M, 47 351 aM</u> Lens carrier Portador de objetivo	4	4	4
ZIN 515/ M 1,7x2-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	13,15	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	2	2	2
ZIN 516/ M 1,4x4,5- 5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	29,31	<u>Objektivträger mont. 47 351 aM</u> Lens carrier Portador de objetivo	-	-	1
ZIN 617/ M 2,6x3x3,5 5S	<u>Zylinderschraube m. Zapfen</u> Fillister-head screw with pivot Tornillo sin fin con pivote	29,31	<u>Objektivträger mont. 47 351 aM</u> Lens carrier Portador de objetivo	-	-	1
M 1,2x1,5 DIN 551 St	<u>Gewindestift</u> Threaded pin Perno con rosca	21	Tessar 2,8/45 1 02 32 - 11 Tessar 2,8/45 1 02 32 - 11 Tessar 2,8/45 1 02 32 - 11	3	3	-
		27	Tessar 2,8/45 1 02 37 - 21 Tessar 2,8/45 1 02 37 - 21 Tessar 2,8/45 1 02 37 - 21	-	-	3
M 1,4x2 DIN 84-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	15,25	<u>Obj.-Träger vollst. 47 326 bM, 47 354 M</u> Lens carrier Portador de objetivo	2	2	-
			<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	2	2	2
M 1,4x2 DIN 551-5S	<u>Gewindestift</u> Threaded pin Perno con rosca	12	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
M 1,4x5 DIN 85-5S	<u>Linsenschraube</u> Lens head screw Tornillo de cabeza lenticular	4,5,9	<u>Camera compl mont 861/24 M/24 ZK/24 AM</u> Camera Camara	3	3	3
M 1,7 DIN 934	<u>Sechskantmutter</u> Hexagon nut Tuerca hexagonal	13	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
M 1,7x2 DIN 84-Ms	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	20	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	2	2	2
M 1,7x2 DIN 553 St- 5S	<u>Gewindestift f. Frontlinsen- einstellring</u> Threaded pin of lens, for front lens setting ring Perno con rosca del objetivo p. anillo graduador de lente frontal	21	Tessar 2,8/45 1 02 32 - 12 Tessar 2,8/45 1 02 32 - 12 Tessar 2,8/45 1 02 32 - 12	3	3	-

## Zeiss Ikon A.G. Stuttgart

## Ersatzteil - Preisliste

Ausgabe: Mai 1955

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Teil-Nr. Serial No. Pieza N°	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number		
				861/24	12-2	12-2
M 1,7x2 DIN 553 St- 5S	<u>Gewindestift f. Frontlinsen- einstellring</u> Threaded pin of lens, for front lens setting ring Perno con rosca del objetivo p. anillo graduador de lente frontal	21	<u>Tessar 2,8/45 1 02 37 - 22</u> Tessar 2,8/45 1 02 37 - 22 Tessar 2,8/45 1 02 37 - 22	-	-	3
M 1,7x3 DIN 84-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	12,13,15 16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Mechanism compl. Mecanismo compl.	7	7	7
M 1,7x3 DIN 553-5S	<u>Gewindestift</u> Threaded pin Perno con rosca	25,28	<u>Objektivträger mont. 47 326 bVm,</u> 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	2	2	2
M 1,7x3,5 DIN 84-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	29,30  4,10,21	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo  <u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	-  7	-  7	1  7
M 1,7x3,5 DIN 551-5S	<u>Gewindestift</u> Threaded pin Perno con rosca	28,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	3
M 1,7x4 DIN 553-5S	<u>Gewindestift</u> Threaded pin Perno con rosca	17,20  25,28	<u>Gehäuse vollst. 52 349 M/52 349 aM</u> Housing Caja  <u>Objektivträger mont. 47 326 bVm,</u> 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	2  1	2  1	2  1
M 1,7x4,5 DIN 84-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	20	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1	1	1
M 1,7x5 DIN 551-5S	<u>Gewindestift als Justierschraube für Kurven</u> Threaded pin f. adjusting curves Perno con rosca p. ajustar curvas	10,13	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
M 1,7x6 DIN 84-5S	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	10  28	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara  <u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	4  -	4  -	4  -

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Teil-Nr. Serial No. Pieza N°	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number - Cantidad			Anm.
				861/24	861/24 Z	861/24 A	
M 1,7x7,5 DIN 84-55	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
M 2,6x3 DIN 84-55	<u>Zylinderschraube</u> Fillister-head screw Tornillo sin fin	28,31	<u>Objektivträger vollst. 47 351 aM</u> Lens carrier Portador de objetivo	-	-	1	
1,2 DIN 6799	<u>Benzing-Sicherung</u> Benzing Fuse Fusible Benzing	14,19	<u>Bolzen mont. 66 373 Im</u> Bolt Perno	1	1	1	
			<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
1,8 DIN 125-St	<u>Unterlagscheibe</u> Washer Arandela	13	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
BM 1,7 DIN 439-55	<u>Sechskantmutter</u> Hexagon nut Tuerca hexagonal	13,14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
1 m 6x6 DIN 7	<u>Zylinderstift</u> Cylindric pin Perno cilíndrico	8	<u>Rückwand compl. 52 351 M</u> Camera back Tapa posterior	1	1	1	
530	<u>Niet</u> Rivet Remache	26	<u>Objektivträger vormont. 47 326 bT</u> Lens carrier Portador de objetivo	1	-	-	
861/24 M	<u>Camera compl. mont.</u>	1	<u>Contaflex I 861/24</u>	1	-	-)	
861/24 ZM	<u>Camera compl. mont.</u>	2	861/24 Z	-	1	-)	x)
861/24 AM	<u>Camera compl. mont.</u>	3	861/24 A	-	-	1)	
10 144	<u>Passtift</u> Stop pin Perno de tope	15	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
10 145	<u>Stift mit Rille</u> Pin w. groove Perno con ranura	26,29,30	<u>Objektivträger 47 326 bVM.</u> <u>47 354 VM. 47 351 aVM</u> Lens carrier Portador de objetivo	2	2	2	
14 079	<u>Abdrücker</u> Release Disparador	4,5,9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
15 313	<u>Buchse</u> Bushing Casquillo	8	<u>Rückwand compl. 52 351 M</u> Camera back Tapa posterior	1	1	1	

x) Preis auf Anfrage  
Price on demand  
sobre demanda

M 1,7x7,5 DIN 84-55 - 15 313

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15 432 Tm	Lagerbuchse mit Zahnrad und Mitnehmer mont. Bushing with gear and clutch Casquillo con rueda dentada y pieza	17, 19	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1
15 436	Lagerbuchse Bushing Casquillo	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
15 438	Distanzbuchse Spacer Tubo de distancia	10	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
15 464	Buchse Bushing Casquillo	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
22 444	Sattelfeder M-shaped spring Resorte en forma de M	8	Rückwand compl. 52 351 M Camera back Tapa posterior	2	2	2
22 451	Feder Spring Resorte	9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
22 618	Feder Spring Resorte	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
22 619	Kontaktfeder Contact spring Resorte de contacto	31	Objektivträger mont. 47 351 aVm Lens carrier Portador de objetivo	-	-	1
22 619 Tm	Kontaktfeder Contact spring Resorte de contacto	29	Objektivträger mont. 47 351 aVm Lens carrier Portador de objetivo	-	-	1
22 620	Spiralfeder Spiral spring Muelle espiral	26	Federhaus mont. 45 554 I, 45 623 I Spring housing Caja de resorte	1	1	1
22 621	Spiralfeder Spiral spring Muelle espiral	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
23 501 a	Druckfeder Pressure spring Resorte	8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1
23 503 b	Feder Spring Resorte	19	Bolzen mont. 66 373 Tm Bolt Perno	1	1	1
23 504 d	Druckfeder Pressure spring Resorte	18	Gehäuse mont. 52 349 T, 52 349 aT Housing Caja	1	1	1

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				861/24	/24 Z	/24 A	
23 505 c	Druckfeder Pressure spring Resorte	18	Gehäuse mont. 52 349 T, 52 349 aT Housing Ferno	1	1	1	
23 574	Bremsfeder Braking spring Resorte de frenado	16	Filmschlüsselbolzen mont. 66 379 aT Film key pin Eje p. llave de película	1	1	1	
23 575 a	Feder Spring Resorte	9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	1	1	1	
23 668	Feder, rechts Spring, right Resorte derecho	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
23 669	Feder, mitte Spring, middle Resorte, medio	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
23 670	Feder, links Spring, left Resorte, izquierdo	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
23 674	Feder f. Klinke Spring f. retaining pawl Resorte p. gatillo de retención	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
23 676 a	Feder Spring Resorte	20	Gabel-Hebel lang mont. 85 503 Im Forked lever, long Palanca bifurcada	1	1	1	
23 677 a	Feder Spring Resorte	26	Objektivträger vormont. 47 326 bT Lens carrier Portador de objetivo	1	-	-	
23 693 T	Haltefeder mont. Holding spring Resorte sujetador	10	Sucher-Prisma vollst. 102 070 M Viewfinder prism Prisma de visor	1	1	1	
24 162	Klinke Pawl Gatillo	26	Objektivträger vormont. 47 326 bT Lens carrier Portador de objetivo	1	-	-	
24 163	Spernklinke Pawl Gatillo	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
25 336	Deckelplättchen Covering plate Planchita de recubrimiento	24	Objektivträger vollst. 47 326 BM, 47 354 M Lens carrier Portador de objetivo	1	1	-	
26 356 T	Andrückplatte m. Feder Pressure plate with spring Plancha de presión con Resorte	9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	1	1	1	

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				68124	2	1
27 251	Hülse, kurz Bushing, short Casquillo corto	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1
27 252	Hülse, lang Bushing, long Casquillo largo	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1
29 305 Im	Winkel m. Niet Angle with rivet Pieza angular von remache	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1
29 324	Winkel 0,5 mm Angle 0,5 mm Pieza 0,5 mms.	10	Sucher-Prisma vollst. 102 070 M Viewfinder prism Prisma de visor	1 <sup>*)</sup>	1 <sup>*)</sup>	1 <sup>*)</sup>
29 325	Winkel 0,3 mm Angle 0,3 mm Pieza 0,3 mms	10	Sucher-Prisma vollst. 102 070 M Viewfinder prism Prisma de visor	1 <sup>*)</sup>	1 <sup>*)</sup>	1 <sup>*)</sup>
30 223	Druckknopf Push button Botón de presión	6,8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1
33 160	Mitnehmer Clutch Pieza de arrastre	7,18	Gehäuse mont. 52 349 T, 52 349 aT Housing Caja	1	1	1
33 161	Mitnehmer Clutch Pieza de arrastre	7,18	Gehäuse mont. 52 349 aT Housing Caja	1	1	1
33 209	Kupplungsstück Coupling piece Pieza de acoplamiento	12,13,14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
33 269	Filmtrommel Roller f. film advance Rodillo p. avance de película	7,19	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1
33 270	Lager Bearing Cojinete	15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
34 486	Verriegelungsblech, rechts Locking bolt, right Pasador de cierre derecho	8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1
34 487	Verriegelungsblech, links Locking bolt, left Pasador de cierre izquierdo	8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1
34 612	Seitenblech 0,2 mm Lateral plate 0,2 mm Plancha lateral 0,2 mms	12,15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1



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				861/24	/24 Z	/24 A	
34 613	Anschlag Stop Tope	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
34 624	Seitenblech 0,25 mm Lateral plate 0,25 mm Plancha lateral 0,25 mms	12,15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
34 656	Filmgleitblech Film guide plate Plancha de guía p. película	7	Gehäuse mont. 52 349 T, 52 349 aT Housing Caja	1	1	1	
34 659	Abdeckblech Cover plate Plancha de recubrimiento	20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
38 351 T	Deckkappe mont. Cover Tapa	4,5,7,9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	1	1	1	
38 353 aT	Spiegelklappe vollst. Mirror flap Placa de mirador	17,20	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
38 354 aT	Lichtklappe vollst. Light trap Placa obturadora	7,20	Gehäuse vollst. 52 349 M Housing Caja	1	1	1	
38 357 aT	vordere Deckkappe mont. Front cover Tapa delantera	4,22,24 32	Objektivträger vollst. 47 326 BM Lens carrier Portador de objetivo	1	-	-	
38 357 aT/1	vordere Deckkappe mont. Front cover Tapa delantera	33	Objektivträger vollst. 47 354 M Lens carrier Portador de objetivo	-	1	-	
38 410 T	vordere Deckkappe mont. Front cover Tapa delantera	27,34	Objektivträger vollst. 47 351 aM Lens carrier Portador de objetivo	-	-	1	
39 023	Unterlagscheibe 0,1 mm Washer 0,1 mm Arandela 0,1 mms	14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1*)	1*)	1*)	
39 066	Unterlagscheibe 0,1 mm Washer 0,1 mm Arandela 0,1 mms	13,14,15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1*)	1*)	1*)	
39 067	Unterlagscheibe 0,3 mm Washer 0,3 mm Arandela 0,3 mms	10	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	*)	*)	*)	
39 077	Unterlagscheibe 0,1 mm Washer 0,1 mm Arandela 0,1 mms	10	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Cámara	*)	*)	*)	

\*) Nach Bedarf  
as required  
según convenga

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				861/24	12-11	12-11
39 130	<u>Unterlagscheibe</u> Washer Arandela	29	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1*)
39 166	<u>Unterlagscheibe</u> Washer Arandela	13,15	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	3	3	3
39 282	<u>Unterlagscheibe</u> Washer Arandela	10	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	*)	*)	*)
39 292	<u>Unterlagscheibe</u> Washer Arandela	18	<u>Gehäuse mont. 52 349 T, 52 349 aT</u> Housing Caja	1	1	1
39 293	<u>Unterlagscheibe</u> Washer Arandela	18	<u>Gehäuse mont. 52 349 T, 52 349 aT</u> Housing Caja	1	1	1
39 356	<u>Scheibe 0,2 mm</u> Washer 0,2 mm Arandela 0,2 mms	8	<u>Rückwand compl. 52 351 M</u> Camera back Tapa posterior	2	2	2
39 362	<u>Unterlagscheibe</u> Washer Arandela		<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
39 364 a	<u>Unterlagscheibe f. Zähl-scheibe</u> Washer f. counter disk Arandela p. disco contador	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
39 365 a	<u>Unterlagscheibe</u> Washer Arandela	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
39 367	<u>Friktionsscheibe</u> Friction disc Disco de fricción	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
39 384	<u>Scheibe</u> Disc Disco	19	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1*)	1*)	1*)
39 386	<u>Unterlagscheibe 0,3 mm</u> Washer 0,3 mm Arandela 0,3 mms	14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
39 405	<u>Unterlagscheibe</u> Washer Arandela	29,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1*)
39 437	<u>Zwischenscheibe</u> Intermediate washer Arandela intermedia	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	*)	*)	*)

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				861/24	/24 Z	/24 A	
39 463	<u>Scheibe</u> Disc Disco	19	Bolzen mont. 66 373 Im Pin Perno	1	1	1	
39 465 a	<u>Unterlagscheibe 0,4 mm</u>  Washer 0,4 mm Arandela 0,4 mms	24	<u>Objektivträger vollst. 47 326 bM,</u> 47 354 M, 47 351 aM Lens carrier Portador de objetivo	1*)	1*)	1*)	
39 468	<u>Scheibe</u> Disc Disco	13,14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
39 469	<u>Scheibe</u> Disc Disco		<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
39 470	<u>Scheibe</u> Disc Disco		<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
39 471 a	<u>Unterlagscheibe</u> Washer Arandela	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
39 472	<u>Unterlagscheibe</u> Washer Arandela	9	<u>Camera compl. mont. 861/24 M/24 ZH/24 AM</u> Camera Camara	1	1	1	
39 474 a	<u>Unterlagscheibe 0,1 mm</u>  Washer 0,1 mm Arandela 0,1 mms	24	<u>Objektivträger vollst. 47 326 bM,</u> 47 354 M, 47 351 aM Lens carrier Portador de objetivo	1*)	1*)	1*)	
39 479	<u>Scheibe 0,1 mm</u> Disc 0,1 mm Disco 0,1 mms	8	<u>Rückwand compl. 52 351 T</u> Camera back Tapa posterior	2*)	2*)	2*)	
39 481	<u>Unterlagscheibe</u> Washer Arandela	25,28	<u>Federhaus mont. 45 554 I</u> Spring housing Caja de resorte	1	-	-	
			<u>Objektivträger mont. 47 326 bVm,</u> 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	1	1	1	
39 482	<u>Unterlagscheibe</u> Washer Arandela		<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1*)	1*)	1*)	
39 507	<u>Unterlagscheibe 0,05 mm</u>  Washer 0,05 mm Arandela 0,05 mms	24	<u>Objektivträger vollst. 47 326 bM,</u> 47 354 M, 47 351 aM Lens carrier Portador de objetivo	1*)	1*)	1*)	

\*) Nach Bedarf  
as required  
según convenga

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				Nummer	1/2	3/4	
39 513	Beilagrung (Hilfsteil) Washer Arandela		Objektivträger mont. 47 326 bVm Lens carrier Portador de objetivo	1	-	-	
39 527	Unterlagscheibe Washer Arandela	29,30	Objektivträger mont. 47 351 aVm Lens carrier Portador de objetivo	-	-	1	
39 528	Scheibe Disc Disco	29,31	Objektivträger mont. 47 351 aVm Lens carrier Portador de objetivo	-	-	1	
42 137 bT	Verriegelungsscheibe mont. Locking disc Disco de cierre	6,8	Rückwand compl. 52 351 M Camera back Tapa posterior	2	2	2	
42 139	Scheibe Disc Disco	7,18	Gehäuse mont. 52 349 I, 52 349 aT Housing Caja	2	2	2	
42 198	Rastscheibe Notched disc Disco con muescas	25,28	Objektivträger mont. 47 326 bVm, 47 354 Vm, 47 351 aVm Lens carrier Portador de objetivo	1	1	1	
42 213 Im	Blendenring mont. Diaphragm ring Anillo del diafragma		vordere Deckkappe mont. 38 357 aT Front covering cap Tapa recubridora de lantera	1	-	-	
42 213	Blendenring Diaphragm ring Anillo del diafragma		Blendenring mont. 42 213 Im Diaphragm ring Anillo del diafragma	1	-	-	
45 227 a	Stirnrad Spur gear Rueda frontal	17,18	Gehäuse mont. 52 349 I, 52 349 aT Housing Caja	1	1	1	
45 254 a	Zählscheibe Counter disc Disco contador	4,5,9	Camera compl. mont. 261/24 M/24 ZM/24 AM Camera Cámara	1	1	1	
45 285	Stirnrad, 15 Zähne Spur gear, 15 cogs Rueda frontal, 15 dientes	14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
45 551	Stirnrad Spur gear Rueda frontal	17,19	Gehäuse vollst. 52 349 M, 52 349 aM Housing Caja	1	1	1	
45 552	Zahnrad Gear Rueda dentada	25	Objektivträger mont. 47 326 bVm, 47 354 Vm Lens carrier Portador de objetivo	1	1	-	

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				861/24	/24 Z	/24 A	
45 553	<u>Stirnrad</u> Spur gear Rueda frontal	26	<u>Objektivträger mont. 47 326 bVm.</u> 47 354 Vm Lens carrier Portador de objetivo	1	1	-	
45 554 T	<u>Federhaus mont.</u> Spring housing Caja de resorte		<u>Objektivträger mont. 47 326 bVm.</u> 47 354 Vm Lens carrier Portador de objetivo	1	1	-	
45 554	<u>Stirnrad</u> Spur gear Rueda frontal		<u>Federhaus mont. 45 554 T</u> Spring housing Caja de resorte	1	-	-	
45 555 a	<u>Zahnkranz</u> Gear rim Anillo dentado	26	<u>Objektivträger vollst. 47 326 bM.</u> 47 354 M Lens carrier Portador de objetivo	1	1	-	
45 556 b	<u>Blendenring</u> Diaphragm ring Anillo del diafragma	26	<u>Objektivträger mont. 47 326 bVm.</u> 47 354 Vm Lens carrier Portador de objetivo	1	1	-	
45 557 a	<u>Zahnkranz</u> Gear rim Anillo dentado	24	<u>Objektivträger vollst. 47 326 bM.</u> 47 354 M Lens carrier Portador de objetivo	1	1	-	
45 559 Tm	<u>Zahnrad m. Kurven mont.</u> Gear with curves Rueda dentada con curvas	12, 16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
45 560 Tm	<u>Zwischenrad mont.</u> Intermediate gear Rueda intermedia	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
45 563	<u>Stirn- und Kegelrad</u> Spur and bevel gear Rueda directa cónica	12, 15, 16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
45 564	<u>Stirn- und Kegelrad</u> Spur and bevel gear Rueda directa y cónica	12, 13, 14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
45 565 aTm	<u>Stirnrad mont.</u> Spur gear Rueda directa	15, 16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
45 566	<u>Zahnrad</u> Gear Rueda dentada	12, 13, 14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	

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				861/24	1	1
45 568	<u>Kronenrad</u> Crown wheel Engranaje de corona	14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
45 569	<u>Stirnrad</u> Spur gear Rueda directa	17,25,28	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
45 571	<u>Stirnrad</u>  Spur gear Rueda frontal		<u>Objektivträger mont. 47 326 bVm, 47 354 Vm</u> Lens carrier Portador de objetivo	1	1	-
45 572 a	<u>Zahnsegment</u>  Toothed segment Segmento dentado	26	<u>Objektivträger mont. 47 326 bVm, 47 354 Vm</u> Lens carrier Portador de objetivo	1	1	-
45 621 Im	<u>Zahnrad mont.</u> Gear Rueda dentada	29,31	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
45 623 I	<u>Federhaus mont.</u> Spring housing Caja de resorte	29,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
45 624	<u>Stirnrad</u> Spur gear Rueda frontal	28	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
45 625	<u>Stirnrad</u> Spur gear Rueda frontal	29,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
45 626	<u>Zahnkranz</u> Gear rim Anillo dentado	29,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
47 326 bVm	<u>Objektivträger mont.</u> Lens carrier Portador de objetivo		<u>Objektivträger vollst. 47 326 bM</u> Lens carrier Portador de objetivo	1	-	-
47 326 bT	<u>Objektivträger vormont.</u> Lens carrier Portador de objetivo		<u>Objektivträger mont. 47 326 bVm</u> Lens carrier Portador de objetivo	1	-	-
47 326 b	<u>Objektivträger</u> Lens carrier Portador de objetivo		<u>Objektivträger m. Lagerbuchse 47 326 bIm</u> Lens carrier Portador de objetivo	1	-	-
47 326 bIm	<u>Objektivträger m. Lagerbuchse</u> Lens carrier with bushing Portador de objetivo con Casquillo		<u>Objektivträger vormont. 47 326 bT</u> Lens carrier Portador de objetivo	1	-	-

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				Number 861/24	Museum 124 Z	124 A
47 326 bM	Objektivträger vollst. Lens carrier Portador de objetivo	21	Camera compl.mont.861/24 M Camera Cámara	1	-	-
47 351 aVm	Objektivträger mont. Lens carrier Portador de objetivo	29	Objektivträger vollst. 47 351 aM Lens carrier Portador de objetivo	-	-	1
47 351 aM	Objektivträger vollst. Lens carrier Portador de objetivo	27	Camera compl.mont. 861/24 AM Camera Cámara	-	-	1
47 354 Vm	Objektivträger mont. Lens carrier Portador de objetivo		Objektivträger vollst. 47 354 M Lens carrier Portador de objetivo	-	1	-
47 354 M	Objektivträger vollst. Lens carrier Portador de objetivo		Camera compl.mont. 861/24 ZM Camera Cámara	-	1	-
50 256 T	Fassung m.Einblicklinse Mount w. lens f. eyepiece Montura con lente de mirilla	5,7,9	Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
50 257 a	Fassung Mount Montura	9	Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
52 350 M	Getriebe-Gehäuse mont. Housing f. mechanism Caja p. mecanismo		Camera compl.mont.861/24 M, 861/24 ZM Camera Cámara	1	1	-
52 350 aM	Getriebe-Gehäuse mont. Housing f. mechanism Caja p. mecanismo		Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
52 351 M	Rückwand compl. Camera back Tapa posterior	5,8	Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
52 352 a	Prismen-Gehäuse Prism housing Caja p. prisma		Sucher-Prisma vollst. 102 070 M Viewfinder prism Prisma de visor	1	1	1
53 179	Filmschlüsselgehäuse Film key housing Caja p. llave de arrastre	13,15	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1
54 075	Drahtbügel Wire clamp Abrazadera de alambre	10,11	Sucher-Prisma vollst. 102 070 M Viewfinder prism Prisma de visor	1	1	1
60 144	Mutter Nut Tuerca	14	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1

x) Preis auf Anfrage

Price on demand

sobre demanda

47 326 b M - 60 144

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60 168	<u>Schlitzmutter</u> Slotted nut Tuerca entallada	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
60 172	<u>Schlitzmutter</u> Slotted nut Tuerca entallada	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
60 177	<u>Schlitzmutter</u> Slotted nut Tuerca entallada	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
60 181	<u>Mutter</u>  Nut Tuerca	25,28	<u>Objektivträger mont. 47 354 Vm,</u> <u>47 351 aVm</u> Lens carrier Portador de objetivo	-	1	1
62 155	<u>Stativmutter</u> Tripod nut Tuerca p. tripode	7	<u>Gehäuse vormont. 52 349 Im, 52 349 aIm</u> Housing Caja	1	1	1
65 290	<u>Gleitrolle</u> Slide roller Rodillo de deslizamiento	8	<u>Rückwand compl. 52 351 M</u> Camera back Tapa posterior	1	1	1
65 374 a	<u>Achse für Rückspulung</u> Rewind shaft Eje p. rebobinar	17,18	<u>Gehäuse mont. 52 349 I, 52 349 aI</u> Housing Caja	1	1	1
65 375	<u>Achse</u> Shaft Eje	7,19	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1	1	1
65 376	<u>Achse</u> Shaft Eje	20	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1	1	1
65 377	<u>Achse</u>  Shaft Eje		<u>Objektivträger vormont. 47 326 bI,</u> <u>47 351 aI</u> Lens carrier Portador de objetivo	1	-	1
65 378	<u>Achse</u> Shaft Eje	16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1
66 373 Im	<u>Bolzen mont.</u> Pin Perno	19	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1	1	1
66 376 Im	<u>Abdrückbolzen mont.</u> Release pin Varilla disparadora	13,16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1



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				861/24	/24 Z	/24 A	
66 377 Tm	Lagerbolzen m. Stirnrad mont Pin w. spur gear Perno con rueda frontal	15,16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
66 378 aT	Filmschlüsselbolzen mont Film key pin Eje p. llave de película	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
66 390	Lagerbolzen Bearing pin Perno de cojinete		Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
66 391	Lagerbolzen Bearing pin Perno de cojinete	12	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
66 391	Lagerbolzen mit Gewinde Threaded bearing pin Perno de cojinete con rosca	16	Getriebe-Gehäuse vollst. 52 350 aM Housing f. mechanism Caja p. mecanismo	1	1	1	
72 297	Indexring Indexring Anillo indicador	4,5,7,9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Camara	1	1	1	
72 298 a	Ring Ring Anillo	4,5,9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Camara	1	1	1	
72 443	Anlageteller Pressure disc Disco de presión	8	Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	1	
72 450 a	Kontaktring Contact ring Anillo de contacto		Blitzlicht-Anschluß mont. 74 143 aT Flash synchronizer Sincronizador	1	-	-	
72 451 a	Ring Ring Anillo	26	Objektivträger mont. 47 326 bVm 47 354 Vm Housing f. mechanism Caja p. mecanismo	1	1	-	
72 452	Einstellring Setting ring Anillo graduador	23	Camera compl. mont. 861/24 M/24 ZM Camera Camara	1	1	-	
72 453	Aufzugsknopf Winding knob Botón de arrastre	4,5,9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Camara	1	1	1	
72 454	Rückspulknopf Rewinding knob Botón p. rebobinar	4,5,7,9	Camera compl. mont. 861/24 M/24 ZM/24 AM Camera Camara	1	1	1	

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				651/24	1	1
72 455	<u>Knopfzwischenstück</u> Intermediate part of knob Pieza intermedia de botón	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
72 478	<u>Distanzring</u> Spacer Anillo de separación	9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
72 501	<u>Zwischenring I 1,36 mm</u>  Intermediate ring I 1,36 mm Anillo intermedio I 1,36 mms	24	<u>Objektivträger vollst. 47 326 bM.</u> 47 354 M Lens carrier Portador de objetivo	1*)	1*)	-
72 502	<u>Zwischenring II 1,06 mm</u>  Intermediate ring II 1,06 mm Anillo intermedio II 1,06 mms	24	<u>Objektivträger vollst. 47 326 bM.</u> 47 354 M Lens carrier Portador de objetivo	1	1	-
72 522	<u>Ring</u> Ring Anillo	30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
74 043	<u>Anschraubring</u>  Screw ring Anillo con rosca	25,28	Compur-Verschluß MX/CR <sup>00</sup> 543 a - MXV/CR <sup>00</sup> 543 a Compur shutter Obturador Compur	1	1	1
74 143 aT	<u>Blitzlichtanschluß mont.</u>  Flash synchronizer Sincronizador	4,22,26, 29,30	<u>Objektivträger mont. 47 351 aVm.</u> 47 354 Vm. 47 326 bVm Lens carrier Portador de objetivo	1	1	1
74 143 a	<u>Schraubring</u> Screw ring Anillo con rosca		<u>Blitzlicht-Anschluß mont. 74 143 aT</u> Flash synchronizer Sincronizador	1	-	-
75 394 T	<u>Filmskala DIN mont.</u> Film scale (DIN) Escala de película (DIN)	4,5,9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1*)	1*)	1*)
75 395 T	<u>Filmskala ASA mont.</u> Film scale Escala de película (ASA)	4,5,9	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
75 413 a	<u>Einstellring f. Blende</u> Diaphragm sitting ring Anillo graduador del diafragma		<u>Vordere Deckkappe mont. 38 357 aT</u> Front Cover Tapa delantera	1	-	-
75 414	<u>Zeitskalenring</u> Speed dial Anillo p. velocidades		<u>Vordere Deckkappe mont. 38 357 aT</u> Front Cover Tapa delantera	1	-	-

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				Number - Numero			
				861/24	124 Z	124 A	
75 418	<u>Skalenring (Frontring)</u> Scale ring (front ring) Anillo con escala (anillo frontal)	4,23	<u>Camera comp. mont. 861/24 M/24 ZM</u> Camera Cámara	1	1	-	
79 069	<u>Federtopf</u> Housing f. spring Caja p. resorte	13,14	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
79 108	<u>Blendenring</u> Diaphragm ring Anillo de diafragma	29,30	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1	
85 502 Tm	<u>Gabelhebel m. Scharnierstück mont.</u> Forked lever with hinge Palanca bifurcada con bisagra	20	<u>Gehäuse vollst. 52 349 M, 52 349 aM</u> Housing Caja	1	1	1	
85 507 b	<u>Tasthebel lang</u> Control lever, long Palanca de mando larga	12,16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
85 508 b	<u>Tasthebel kurz</u> Control lever, short Palanca de mando corta	12,16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
85 559 T	<u>Anker mont.</u> Anchor Ancora	20,27	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1	
93 110	<u>Henkelösen</u> Eyelets Ojetes	4,13,15	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	2	2	2	
93 112 a	<u>Rundschele</u> Clamp Abrazadera	25	<u>Objektivträger vollst. 47 326 bM, 47 354 M</u> Lens carrier Portador de objetivo	2	2	-	
94 052	<u>Federkern</u> Pin for fastening spring Perno p. sujetar resorte		<u>Federhaus mont. 45 554 T</u> Spring housing Caja de resorte	1	-	-	
94 053	<u>Federkern</u> Pin for fastening spring Perno p. sujetar resorte	15	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
95 337	<u>Maske</u> Mask Máscara		<u>Camera comp. mont. 861/24 M</u> Camera Cámara	1	-	-	
95 338	<u>Maske</u> Mask Máscara	10,11	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1	1	1	
95 339	<u>Maske</u> Mask Máscara		<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	-	-	1	

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				861/24	102/24	103/24
98 097	<u>Spiegel</u> Mirror Espijo	17,20	<u>Spiegelklappe vollst. 38 353 aI</u> Mirror flap Placa de mirador	1	1	1
102 070	<u>Dachprisma</u> Roof prism Fentaprisma	10,11	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1	1	1
102 070 M	<u>Sucher-Prisma vollst.</u> Viewfinder prism Prisma de visor	10	<u>Camera compl. mont. 861/24 M/24 ZM/24 IAM</u> Camera Cámara	1	1	1
103 389	<u>Stufenlinse mit Feldlinse</u> Stepped lens with field lens Lente graduada con lente de campo	10	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1	1	1
103 395	<u>Isolation</u> (in R 11 037 Im enthalten) Insulation (contained in R 11 037 Im) Aislamiento (contenido en R 11 037 Im)		<u>Steckerstift vollst. 11 037 Im</u>  Flash socket  Bocquilla del sincronizador	1	-	-
103 407	<u>Füllstück</u> Stuffing Relleno	4	<u>Camera compl. mont. 861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1
103 418	<u>Einlagestreifen 0,3 mm</u> Lining 0,3 mm Forro 0,3 mms	10	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1	1	1
103 419	<u>Einlagestreifen 0,3 mm</u> Lining 0,3 mm Forro 0,3 mms	10	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1	1	1
103 422	<u>Einlagestreifen 0,5 mm</u> Lining 0,5 mm Forro 0,5 mms	10	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1*)	1*)	1*)
103 423	<u>Einlagestreifen 0,5 mm</u> Lining 0,5 mm Forro 0,5 mms	10	<u>Sucher-Prisma vollst. 102 070 M</u> Viewfinder prism Prisma de visor	1*)	1*)	1*)
103 424	<u>Isolierstück</u> Insulation Aislamiento	29,31	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
103 425	<u>Isolierstück</u> Insulation Aislamiento	29,31	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1
103 426	<u>Isolierscheibe</u> Insulation Aislamiento	29,31	<u>Objektivträger mont. 47 351 aVm</u> Lens carrier Portador de objetivo	-	-	1

98 097 - 103 426

x) Nur mit 11 037 Im lieferbar  
Available only with 11 037 Im  
Disponible sólo con 11 037 Im

\*) Nach Bedarf  
as required

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				861/24	/24 Z	/24-A	
107 434	<u>Bezug compl.</u> Covering, compl. Cubierta compl.		<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
107 434/1	<u>Bezug</u> Covering Cubierta	5,6	<u>Rückwand compl. 52 351 M</u> Camera back Tapa posterior	1	1	1	
107 434/2	<u>Bezug für Gehäuse-Aufzugseite</u> Cover f. housing, side of winding knob Cubierta p. caja, lado del botón de arrastre	4	<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
107 434/3	<u>Bezug f. Gehäuse-Rückspulseite</u> Cover f.housing side of winding knob Cubierta p. caja, lado del botón p. rebobinar	4	<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
108 257	<u>Lederscheibe f. Stativmutter</u> Leather washer f.tripod nut Arandela de cuero p.tuerca p.tripode	7	<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
109 115	<u>Dichtungseinlage f.Blitzlicht-anschluß</u> Lining f. flash socket Forro p. sincronizador		<u>Objektivträger vollst. 47 326 bM</u> Lens carrier Portador de objetivo	1	-	-	
112 366 a	<u>Dichtungsring</u> Tightening washer Arandela obturadora		<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	
112 370	<u>Puffer</u> Buffer Parachoques	20	<u>Lichtklappe vollst. 38 354 T</u> Light trap Flaca obturadora	1	1	1	
112 372	<u>Filzstreifen</u> Felt strip Tira de fieltro	12,16	<u>Getriebe-Gehäuse vollst. 52 350 aM</u> Housing f. mechanism Caja p. mecanismo	1	1	1	
113 603 a	<u>Unterlegscheibe</u> Washer Arandela	18	<u>Gehäuse mont. 52 349 T, 52 349 aT</u> Housing Caja	2	2	2	
113 604 a	<u>Unterlegscheibe</u> Washer Arandela	18	<u>Gehäuse mont. 52 349 T, 52 349 aT</u> Housing Caja	1	1	1	
113 787	<u>Papierunterlage</u> Paper lining Forro de papel	4	<u>Camera compl.mont.861/24 M/24 ZM/24 AM</u> Camera Cámara	1	1	1	

Zeiss Ikon A.G. Stuttgart  
Ersatzteil - Preisliste

Ausgabe: Mai 1955      Price list f. spare parts      -      Lista de precios p. piezas de repuesto  
Published: May 1955  
Edición: Mayo 1955      Contaflex I

Teil-Nr. Serial No. Pieza N°	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Units Piezas		
				861/24	24	1
113 788	Papierunterlage Paper lining Forro de papel	4	Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
113 802	Dichtungsstreifen Sealing strip Tira obturadora	12	Camera compl.mont.861/24 AM Camera Cámara	-	-	1
116 561	Schalt draht, schwarz Flex, black Contuctor negro		Objektivträger vollst. 47 326 bM Lens carrier Portador de objetivo	1	-	-
N/CR <sup>00</sup> 437 - 542	Senkschraube Countersunk screw Tornillo embutido	22,23	Camera compl.mont.861/24 M/24 ZM Camera Cámara	2	2	-
MX/CR <sup>00</sup> 543 a	Spez.Synchron-Comp.Verschluss mit Tessar 1:2,8/4,5 u.Anschr.Ring Special Synchro-Compur shutter with Tessar f/2,8:4,5, and screw ring Obturador especial Synchro-Com- pur con Tessar 1:2,8/4,5 y anillo con rosca		Objektivträger vollst. 47 326 bM  Lens carrier  Portador de objetivo	1	-	-
MX/CR <sup>00</sup> 543 a-543	Arretierkeil Stop wedge Cuna de paro	22,23	Camera compl.mont.861/24 ZM/24 M Camera Cámara	1	1	-
MX/CR <sup>00</sup> 543 a-584	Zylinderschraube Fillister-head screw Tornillo sin fin	23	Camera compl.mont.861/24 M/24 ZM Camera Cámara	3	3	-
X/CR <sup>00</sup> 826 - 614	Klemmschraube Clamping screw Tornillo de presión	24	Objektivträger vollst. 47 326 bM Lens carrier Portador de objetivo	1	-	-
X/CR <sup>00</sup> 826 - 615	Isolierzapfen Insulation pivot Pivote aislador	24	Objektivträger vollst. 47 326 bM Lens carrier Portador de objetivo	1	-	-
Fs 10	Filmspule Film spool Carrete		Camera compl.mont.861/24 M/24 ZM/24 AM Camera Cámara	1	1	1
1 02 32-11	Drehring Setting ring Anillo graduador	4,21	Tessar 2,8/4,5 1 02 32 Tessar 2,8/4,5 1 02 32 Tessar 2,8/4,5 1 02 32	1	1	-
1 02 32-12	Skalenring meter oder feet Scale ring Anillo con escala	21	Tessar 2,8/4,5 1 02 32 Tessar 2,8/4,5 1 02 32 Tessar 2,8/4,5 1 02 32	1	1	-

Zeiss Ikon A.G. Stuttgart

Ersatzteil - Preisliste

Ausgabe: Mai 1955

Price list f. spare parts

- Lista de precios p. piezas de repuesto

Published: May 1955

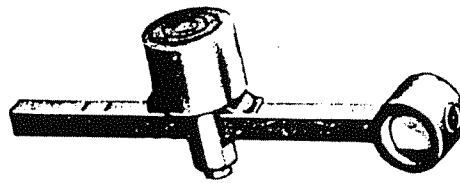
Contaflex I

Edition: Mayo 1955

Teil-Nr. Serial No. Pieza N°	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number of pieces			Ers.
				85124	124 Z	124 A	
1 02 37-21	<u>Drehring</u>	27	<u>Tessar 2,8/4,5</u> 1 02 37	-	-	1	
	Setting ring		Tessar 2,8/4,5 1 02 37				
	Anillo graduador		Tessar 2,8/4,5 1 02 37				
1 02 37-22	<u>Skalenring meter oder feet</u>	27	<u>Tessar 2,8/4,5</u> 1 02 37	-	-	1	
	Scale ring		Tessar 2,8/4,5 1 02 37				
	Anillo con escala		Tessar 2,8/4,5 1 02 37				
1 02 40 - 22 F 1	<u>Skalenring</u>	25	<u>Tessar 2,8/4,5</u> 1 02 40	-	-	1	
	Scale ring		Tessar 2,8/4,5 1 02 40				
	Anillo con escala		Tessar 2,8/4,5 1 02 40				
1 02 40-11	<u>Drehring</u>	35	<u>Tessar 2,8/4,5</u> 1 02 40	-	-	1	
	Setting ring		Tessar 2,8/4,5 1 02 40				
	Anillo graduador		Tessar 2,8/4,5 1 02 40				



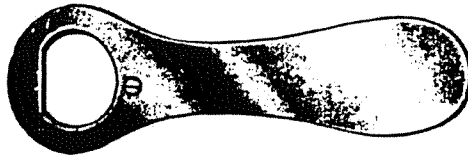




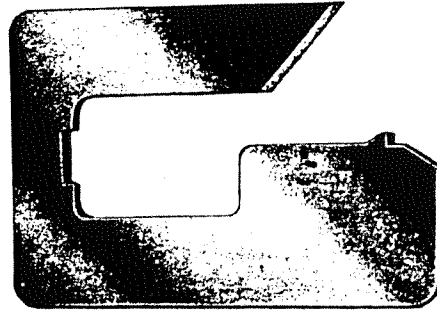
VM 174



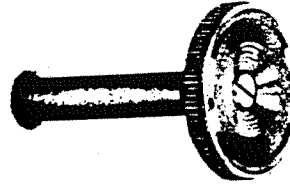
VM 173



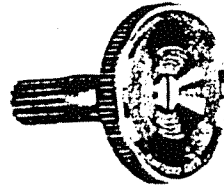
VM 177



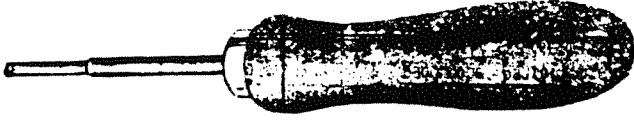
861/24 M/700



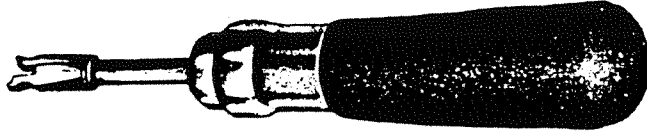
VM 180



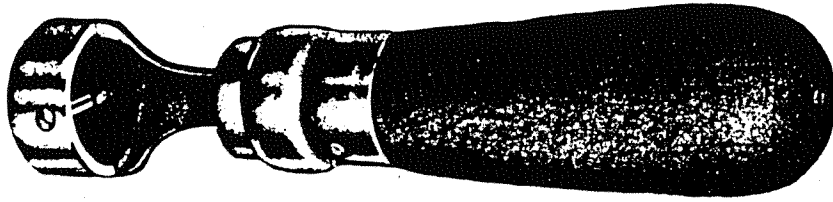
VM 179



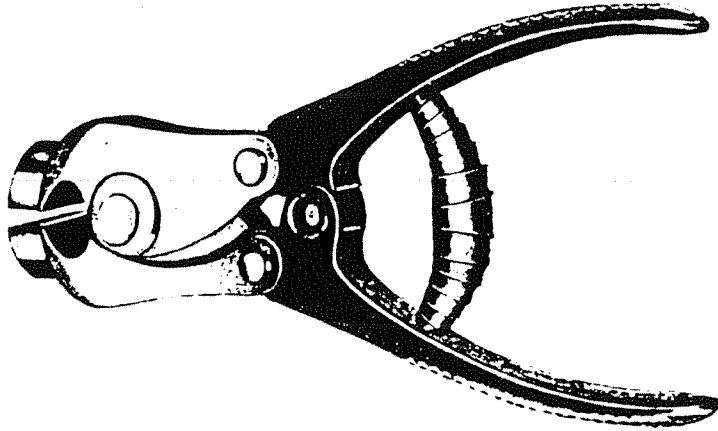
VM 176



VM 175



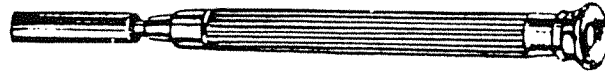
47326 M/81



861/24 M/81



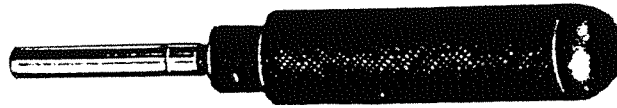
VM 182



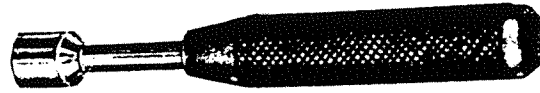
VM 181



861/24 M/88



52350 M/84



861/24 M/80



52350 M/85



VM 178



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# **FACTORY REPAIR MANUAL**



<div> <div>Spezialwerkzeuge für Special tools for Herramientas especiales para</div> <div>Contaflex I</div> <div>Kat.Nr. 861/24</div> </div>	
<div>Bestell-Nr. Serial No. N.º de pedido</div>	<div>Verwendung Use Empleo</div>
VL 173	<div> <u>Prüflehre für Friktion 25</u> <math>\begin{smallmatrix} + 5 \\ - 10 \end{smallmatrix}</math> cmg  Gauge for friction device  Calibrador para dispositivo de fricción 25 <math>\begin{smallmatrix} + 5 \\ - 10 \end{smallmatrix}</math> cmg </div>
VL 174	<div> <u>Prüflehre für Friktion 150</u> <math>\begin{smallmatrix} + 50 \\ - 25 \end{smallmatrix}</math> cmg  Gauge for friction device  Calibrador para dispositivo de fricción 150 <math>\begin{smallmatrix} + 50 \\ - 25 \end{smallmatrix}</math> cmg </div>
VM 112	<div> <u>Schlüssel für Bajonettverriegelung</u>  Key for bayonet lock  Llave para cierre de bayoneta </div>
VM 175	<div> <u>Schlüssel für Mutter 60 144</u>  Key for nut 60 144  Llave para tuerca 60.144 </div>
VM 176	<div> <u>Schlüssel für Passtift 10 144</u>  Key for setpin 10 144  Llave para pasador de ajuste 10.144 </div>
VM 177	<div> <u>Schlüssel für Kupplungsstück 33 209</u>  Key for coupling piece 33 209  Llave para pieza de unión 33.209 </div>
VM 178	<div> <u>Schlüssel für Mutter 1,7 DIN 934</u>  Key for nut 1,7 DIN 934  Llave para tuerca 1,7 DIN 934 </div>
VM 179	<div> <u>Schlüssel für Verschlussaufzug</u>  Key for shutter wind  Llave para arma obturador </div>
VM 180	<div> <u>Schlüssel für Objektivträger prüfen</u>  Key for testing lens carrier  Llave para examinar portaobjetivo </div>
VM 181	<div> <u>Schlüssel für Schlitzmutter 60 177</u>  Key for slotted nut 60 177  Llave para tuerca entallada 60.177 </div>
VM 182	<div> <u>Schlüssel für Schlitzmutter 60 177</u>  Key for slotted nut 60 177.  Llave para tuerca entallada 60.177 </div>
VM 183	<div> <u>Schlüssel für Verschlussanschraubring 74 043</u>  (Ersatz für 47 326 M/VMo 81)  Key for shutter screen ring (for 47 326 M/VMo 81)  Llave p. anillo roscado de obturador(para 47.326 M/VMo 81) </div>

Spezialwerkzeug für  
Special tools for  
Herramientas especiales para

Contaflex I

Kat.Nr. 861/24

<u>Bestell-Nr.</u> Serial No. N.º de pedido	<u>Verwendung</u> Use Empleo	<u>F</u> <u>A</u> <u>F</u>
VM 184	<u>Schlüssel für Hinterlinse Tessar 2,8/4,5 1 02 40</u> Key for rear lens Tessar 2,8/4,5 1 02 40 Llave p. lente posterior Tessar 2,8/4,5 1 02 40	
861/24 M/ VMo 80	<u>Schlüssel für Schlitzmutter 60 168</u> Key for slotted nut 60 168 Llave para tuerca entallada 60.168	
861/24 M/ VMo 81	<u>Zange für Fassung 50 256 T</u> Tongs for mount 50 256 T Tenaza para montura 50.256 T	
861/24 M/ MoWe 88	<u>Spezialschraubenzieher für Spiegelanschlagschraube Ss 438 a</u> Special screw driver for stop screw for mirror Ss 488 a Destornillador especial para tornillo de tope para espejo Ss 438 a	
861/24 M/ VLe 700	<u>Lehre für Spiegelklappe vorjustieren 47° 30'</u> Gauge for rough adjustment of mirror flap (47° 30') Calibrador para ajuste previo de chapa de espejo (47° 30')	
47 326 Vm/ VMo 81	<u>Schlüssel für Blitzlichtanschluß 74 143 aI</u> Key for flash socket 74 143 aI Llave p. rosca p. flash	
47 326 M/ VMo 81	<u>Schlüssel für Verschlößschraubring (siehe VM 183)</u> Key for shutter screw ring (for 47 326 M/VMo 81) Llave p. anillo Roscado de obturador (para 47.326 M/VMo 81)	
52 350 M/ VMo 84	<u>Schlüssel für Sechskantmutter</u> Key for hexagonal nut Llave para tuerca hexagonal	
52 350 M/ VMo 85	<u>Schlüssel für Schlitzmutter 60 172</u> Key for slotted nut 60 172 Llave para tuerca entallada 60.172	

Ausgabe: Oktober 1954

Published: October 1954

Edición: Octubre 1954



Lubricating scheme for Contaflex 861/24

Lubricant point		Lubricant	
Assembly	Part	Ill.	Zeiss Ikon lubricant
lens carrier	diaphragm spring (22620) (spring housing) spur wheel (45623) spring core (94052) all slide faces	26, 29 30	oil OS 2
	gear ring f. diaphragm (45626) lubricating point: plane surfaces	23, 30	oil OS 2
	diaphragm ring (79108) lubricating point: plane surfaces	29, 30	oil OS 2
	gear ring (45621 Tm) lubricating point: plane surfaces	29, 31	oil OS 2
	gear ring (45621 Tm) lubricating point: release cam	29, 31	grease FM 6
	spur wheel (45624) lubricating points: teeth and hub	28	grease FM 6
	anchor (85559) lubricating point: teeth	29, 30	oil OS 2
	anchor (85559) lubricating point: hub	29, 30	oil OS 2
housing of gearing	film key pin (66378 aT) with spring lubricating point: bearing of pin in housing	16	grease FM 6
	pinion (66377 aTm) lubricating point: pivots of pinion	15, 16	grease FM 6
	spiral spring (22621) lubricating point: coils of spring slide faces the spring core	16	oil OS 2
	spur wheel (45565 aTm) lubricating point: inner surface	15, 16	grease FM 6

Assembly	Part	Ill.	Zeiss Ikon lubricant
	spur wheel 45565 aTm lubricant point: stop lug	15, 16	grease FM 6
	pressure pin 66376 Tm lubricating point: cylindrical and plane part of disc	13, 16	grease FM 6
housing of gearing	intermediate gear axle 66391 lubricating point: bearing of gear on axle	16, 16	grease FS 1
	gear with cams monnted 45559 Tm bearing pin 66380 lubricating point: bearing of cam on axle	12, 16, 16	oil OS 2
	gear with cams monnted 45559 Tm lubricating point: operating surface	16	grease FS 1
	spur and bevel gear 45563, 65378 lubricating point: bearing of gear on axle and teeth	12, 15, 16	grease FS 1
	feelers 85507 b 85508 b with axle lubricating point: bearing of feelers on axle	12, 16	oil OS 2
	feelers 85507 b 85508 b lubricating point: areas of contact of levers	12, 16	grease FS 1
	spur wheel 45569 lubricating point: bearing of spur wheel on axle	17, 25, 28	grease FS 1
housing	light trap 38354 aTm lubricating point: hinge	7, 20	oil OS 2
	mirror flap 38353 aT lubricating point: hinge	17, 20	oil OS 2
	friction device 65374 a lubricating point: bearing and friction surfaces	17, 18	grease FM 6
	spur wheel 45227 a lubricating point: bearing and friction surfaces	17, 18	grease FM 6

Assembly	Part	Ill.	Zeiss Ikon lubricant
	intermediate gear 45560 Tm lubricant point: bearing	16	grease FM 6
	film drum 33269 lubricant point: 3 bearings	7, 19	grease FM 6
back panel	locking disc 42137 bT lubricant point: pivot and hub	6, 8	grease FM 6
	push button 30223 lubricating point: guide in hub, and spring	6, 8,	grease FM 6
	film roller 65290 lubricating point: bearing	8	oil OS 2
camera compl.	winding knob 72453 lubricating point: bearing	4, 5, 9	grease FM 6
	rewind knob 72454 lubricating point: bearing	4, 5, 7, 9,	grease FM 6

Issued in October 1954



#### General notes

Further technical development has led to the introduction of a new model 861/24 B. In comparison with previous models there are the following differences:

- a) New accessory mounting (figs.9 and 10),
- b) The diameters of the three axles in the casing of the mechanism have been reduced. They can be recognized by the Benzing protectors used (fig.19).
- c) The mirror adjusting screw is now in a new casing (fig.15),
- d) There is a second-blocking device within the lens panel (fig.12),
- e) The release lock in the casing of the mechanism (fig.19),
- f) The mirror cover plate has a new spring mirror-anchorage.
- g) The scanning lever with roller (fig.15).

These innovations will be found in future not only in the Contaflex I but in all models of the Contaflex camera. We wish to emphasize, however, that the model-notations, e.g. 861/24 B apply only to the ordering of spare parts.

#### The new accessory mounting

on the lens mount cannot be applied at a later date, since it consists of an inner thread for the attachment of filters, lens hoods etc., which has replaced the outer thread.

#### Axles with reduced diameters

The axles 33 325, 66 248 and 66 249 have been reduced in diameter for the wheels in order to reduce friction. As far as the housing is concerned, the original dimensions have been retained at the connections so that the new axles can be built-in at any time.

1. The hitherto used axle 53 304 is replaced by 33 325. To this axle belong the wheel 45 635 a, the washers 39 604 or 39 605 and the Benzing protector 1,5 DIN 6799.
2. The bearing bolt 66 380 has been replaced by 66 248 with the accompanying cogwheel with cam 45 559 a1m, the washers 39 601 or 39 602 and the Benzing protector 1,5 DIN 6799. The bearing bolt should be secured to the casing by means of a hexagonal nut M 2,3 DIN 934 - 4 D, underneath which a washer 2,5 DIN 125 should be placed.
3. Instead of the bearing bolt 66 450 we now use 66 249. The accompanying intermediate wheel has the No. 45 560 a 1m. In addition one washer 39 630 and a Benzing protector 1,2 DIN 6799 must be attached to each. For fixing to the casing the previous components can be used such as washer 1,8 DIN 125 St and hexagonal nut M 1,7 DIN 934 - 4 D.

The following instructions should be added to the previous repair instructions:

#### Page 2 Removing the top-cap

Before the top-cap can be removed, the mounting 50 256 T should be unscrewed by means of the pliers 861/24 M/VMo 81 (fig.9).

Page 9 The tension of the spring casing is the same as that of 861/24 A.

Page 10 The mirror stop screw is no longer covered by a special screw Ss 203 (as described on page 10) but is accessible from the bottom of the casing. After having unscrewed the plug Ss 213, the slotted nut 60 189 can be loosened and the stop screw Ss 212 adjusted. When the mirror is re-adjusted, the nut 60 189 should be tightened and nut and screw secured by means of varnish (fig.5).

The holder of the mirror has been altered and is now supplied with springs.

In the various prism-casings of the type 52 352 a, the fixing lugs were a little too weak, and could be distorted by a fall or a hard knock. If an examination proves that this is the case, the lugs should be re-adjusted and corresponding discs should be placed underneath to prevent further deformation. Cameras with the new prism-casing 52 380 are now supplied with the discs 39 076 and 39 220. These are additional to the existing discs 39 067 and 39 077 which have always been used for re-adjustment. The discs 39 166 are no longer used for model 861/24 BM.

Page 12 The scanning lever 85 508 b has been replaced by 85 571 a 1m which will slide along the cam by means of a roller.

The release lock

The angled lug on stop 34 719 engages the slot of the disc on the release bolt 66 445 Tm and should be adjusted so as to be well centred in the middle of the slot. The shutter can be released only when the film wind knob has made a complete revolution (fig.19).

The second-blocking

The second-blocking has been introduced in order to prevent damage in case the release knob is operated before the second has expired. It is effective only in conjunction with the interlocking device. It can be added at a later date but only by the removal of the entire lens panel. The cogwheel (clamping ring) 45 621 a Tm has been extended by one rivet which pushes against the pawl 24 175 Tm. The end of the spring of this pawl will then press yieldingly on the clamping ring of the sector blades of the shutter as long as these are closed. After the shutter has run off, the spring opens the blades and permits the lens aperture to be used for viewfinding.

Contaflex I, Kat.Nr. 861/24

Diese Ersatzteil-Preisliste ist als Ergänzung der Ausgabe Mai 1955 in Verbindung mit dem 1. Nachtrag zur Reparaturanleitung für Contaflex I zu verwenden.

Die Preise werden mit einem gesonderten Preisschlüssel nachgeliefert.

This Spare Parts Price List should be used as a supplement to the May 1955 edition in conjunction with the first supplement to the Repair Instructions for the Contaflex I.

Prices will be sent in a separate list.

Esta Lista de Precios para piezas de recambio ha de emplearse como suplemento de la edición de Mayo 1955 junto con el primer suplemento de las Instrucciones de reparación para la Contaflex I.

Los precios estarán contenidos en una lista separada que enviaremos posteriormente.





Zeiss Ikon A.G.  
Stuttgart

Ersatzteil-Preisliste

Price list f. spare parts  
Lista de precios p. piezas recambio

Contaflex J Kat.Nr.861/24

Ausgabe September 1956  
Published September 1956  
Edición Septiembre 1956

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje		Stück Number 861 /24 /24Z /24A /24B				Netto-Preis Net price Precio net
					/24	/24Z	/24A	/24B	
363 b	Ansatzschraube Rim screw Tornillo con resalte	15	Getriebegehäuse vollst. Housing for mechanism Caja p. mecanismo	52 350 b M	1	-	1	1	
Ss 209	Zylinderschraube Fillister head screw Tornillo sin fin		Gehäuse vollst. Housing Caja	52 349 b M	-	-	-	1	
Ss 212	Gewindestift m. Zapfen Grub screw w. pivot Perno roscado y pivote		Gehäuse vollst. Housing Caja	52 387 M	-	-	-	1	
Ss 213	Abschlußschraube Screw f. filling Tornillo p. cubrir		Camera compl. Camera Camara	861/24 BM	-	-	-	1	
Ss 322	Gewindestift Grub screw Perno roscado		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 350 b M	-	-	1	1	
Ss 421 a	Zylinderschraube Fillister-Head screw Tornillo sin fin		Gehäuse-Rückwand Camera back Tapa posterior	52 351 M	-	-	1	1	
Ss 504 b	Zapfenschraube Pivoted screw Tornillo pivoteado		Vordere Deckkappe Front covering cap Tapa recubridora delantera	38 410 aT 47 351/Vm	1	1	1	1	
10 144 a	Paßstift Stop pin Perno de tope		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 359 bM	-	-	1	1	
12 219	Auslösestift Release pin Espiga p. dispara		Camera compl. Camera Camara	861/24	1	-	-	-	
13 114	Auslösestift-Unterteil Release pin Espiga p. dispara		Camera compl. Camera Camara	861/24	1	-	-	-	
15 316 a	Lagerbuchse Bushing Casquillo		Gehäuse vollst. Housing Caja	52 349bTm	1	-	1	-	
15 376	Lagerbuchse Bushing Casquillo		Gehäuse vollst. Housing Caja	52 349 bTm	1	-	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k				Netto-Preis Net price Precio neto
				Number. Numero				
				861 /24	861 /242	861 /241	861 /243	
15 430	Lagerbuchse Bushing Casquillo		Gehäuse vollst. 52 349 bIm Housing Caja	1	-	1	1	
15 431	Lagerbuchse Bushing Casquillo		Gehäuse vollst. 52 349 bIm Housing Caja	1	-	1	-	
15 433	Lagerbuchse Bushing Casquillo		Objektivträger 47 354 Tm Lens carrier Portador de objetivo	1	1	-	-	
15 493	Lagerbuchse Bushing Casquillo		Gehäuse vollst. 52 387 Tm Housing Caja	-	-	-	1	
15 509	Lagerbuchse Bushing Casquillo		Objektivträger 47 351 bIm Lens carrier Portador de objetivo	-	-	1	1	
15 527	Lagerbuchse Bushing Casquillo		Gehäuse vollst. 52 387 Tm Housing Caja	-	-	-	1	
15 543	Buchse in Klinke Bushing Casquillo		Objektivträger 24 175 Tm Lens carrier Portador de objetivo	-	-	-	1	
22 443	Feder in Andrückplatte Spring Resorte		Camera compl. 26 356 Camera 861/24 Z-A-B Cámara	1	1	1	1	
22 563	Haltefeder i. Spiegelklappe Retaining spring Resorte sujetador		Gehäuse vollst. 38 353 cIm Housing 52 349 bM Caja	1	-	1	-	
22 630	Flachfeder i. Zeitskalenring Flat spring Resorte plano		Objektivträger 75 446 T Lens carrier 47 351 bVm Portador de objetivo 47 354 H	-	1	1	1	
22 657 a	Feder Spring Resorte	17	Gehäuse vollst. 33 314 Tm Housing Caja	-	-	-	1	
22 675	Haltefeder rechts Right retaining spring Resorte sujetador derecho		Spiegelklappe vormont. 38 353 cIm Mirror flap 52 349 bM Placa de mirador	1	-	1	1	
22 676	Haltefeder links Left retaining spring Resorte sujetador izquierdo		Spiegelklappe vormont. 38 353 cIm Mirror flap 52 349 bM Placa de mirador	1	-	1	1	
23 504 e	Druckfeder Pressure spring Resorte		Gehäuse vollst. 52 349 bM Housing Caja	-	-	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k				Netto-Preis Net price Precio neto	
				Number	Número				
				861 /24	/242	/241	/243		
23 668 a	Feder rechts Spring right Resorte derecho		Gehäuse vollst. Housing Caja	52 349 bM	-	-	1	1	
23 752	Feder in Einstellring f.Blende Spring Resorte		Objektivträger Lens carrier Portador de objetivo	75 477 T 47 354 bVm	-	1	1	1	
23 805	Feder Spring Resorte		Objektivträger Lens carrier Portador de objetivo	24 175 Tm	-	-	-	1	
24 175 Tm	Klinke mont. Pawl Gatillo		Objektivträger Lens carrier Portador de objetivo	47 351 bVm	-	-	-	1	
25 373	Platte in Anker Plate Plancha		Objektivträger Lens carrier Portador de objetivo	85 559 T	-	-	1	1	
29 335 Tm	Winkel mit Niet Angle with rivet Pieza angular von remache		Gehäuse vollst. Housing Caja	52 387 M	-	-	-	1	
29 337	Winkel in Zahnrad Angle Pieza		Objektivträger Lens carrier Portador de objetivo	45 621 aTm 47 351 bVm	-	-	-	1	
30 243	Knöpfchen in Rasthebel Button Botón		Objektivträger Lens carrier Portador de objetivo	85 566 Tm 47 351 bVm	-	-	1	1	
30 565	Knopf Button Botón		Objektivträger Lens carrier Portador de objetivo	42 213 Tm 47 351 T	1	-	-	-	
33 268	Mitnehmer i.Lagerbuchse m.Zahnr. Clutch Pieza de arrastre		Gehäuse vollst. Housing Caja	15 432 Tm 52 349 bM	1	-	1	1	
33 314 Tm	Mitnehmer mit Feder Clutch Pieza de arrastre	17	Gehäuse vollst. Housing Caja	52 387 T	-	-	-	1	
33 315	Rolle in Tasthebel Roller Rodillo		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	85 571 Tm	-	-	1	-	
33 325	Lager Bearing Cojinete		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 388 M	-	-	-	1	
33 401	Rolle in Tasthebel Roller Rodillo		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	85 571 aTm	-	-	-	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k Number. Número				Netto-Preis Net price Precio neto
				861 /24	861 /242	861 /241	861 /243	
34 612 a	Seitenblech 0,2 mm Lateral plate 0,2 mm Plancha lateral 0,2 mm	5	Getriebegehäuse vollst. 52 350 bM Housing f. mechanism Caja p. mecanismo	-	-	1	-	
34 624 b	Seitenblech 0,3 mm Lateral plate 0,3 mm Plancha lateral 0,3 mm		Getriebegehäuse vollst. 52 350 bM Housing f. mechanism Caja p. mecanismo	1	-	1	-	
34 672	Seitenblech 0,2 mm Lateral plate 0,2 mm Plancha lateral 0,2 mm		Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	
34 673	Seitenblech 0,25 mm Lateral plate 0,25 mm Plancha lateral 0,25 mm		Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	
34 701	Seitenblech 0,4 mm Lateral plate 0,4 mm Plancha lateral 0,4 mm		Getriebegehäuse vollst. 52 350 bM Housing f. mechanism Caja p. mecanismo	1	-	1	-	
34 719	Anschlag Stop Tope	14	Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	
38 352 aTm	Boden mont. Bottom Fondo		Rückwand Camera back Tapa posterior	-	-	-	1	
38 353 cT	Spiegelklappe vollst. Mirror flap Placa de mirador		Gehäuse vollst. Housing Caja	-	-	1	1	
38 410 aT	Vordere Deckkappe Front cover Tapa delantera		Objektivträger Lens carrier Portador de objetivo	-	-	1	1	
38 422 T	Deckkappe mont. Cover Tapa		Camera compl. Camera Cámara	-	-	-	1	
39 001	Unterlagscheibe Washer Arandela		Camera compl. 861/24 BM Camera 861/24 AM Cámara 861/24 ZM	1	-	1	1 +)	
39 068	Beilagscheibe in Winkel Washer for angle Arandela par ángulo		Gehäuse vollst. 29 305 Tm Housing 52 349 bM Caja	1	-	1	1	
39 076	Unterlagscheibe Washer Arandela		Camera compl. 861/24 BM Camera Cámara	-	-	-	1 +)	
39 101 a	Scheibe in Bolzen Disc Disco		Gehäuse vollst. 66 373 Tm Housing 52 349 bM Caja	-	-	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, sauteil Assembly Montaje	S t ü c k				Netto-Preis Net price Precio neto
				Number				
				861	861	861	861	
				/24	/242	/243	/243	
39 111	Scheibe Disc Disco		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 M	1	1	1	1 +)
39 121	Scheibe Disc Disco		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 M	1	-	1	1 +)
39 150	Unterlagscheibe i.Lagerbolzen Washer Arandela		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	66 377 Tm 52 350 bM	1	-	1	1
39 166	Unterlagscheibe Washer Arandela	13, 15	Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM 861/24 AM	3	3	3	- +)
39 220	Unterlagscheibe Washer Arandela		Camera compl. Camera Cámara	861/24 BM	-	-	-	1 +)
39 296	Scheibe Disc Disco		Gehäuse vollst. Housing Caja	85 502 Tm 52 349 M	2	-	-	-
39 298	Scheibe in Tasthebel Disc Disco		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	85 571aTm	-	-	1	1
39 363	Scheibe Disc Disco		Gehäuse vollst. Housing Caja	52 349 bM	-	-	1	1 +)
39 396	Scheibe Disc Disco	12	Objektivträger mont. Lens carrier Portador de objetivo	47 351cVm	-	-	-	1 +)
39 423	Scheibe Disc Disco		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM	-	-	1	1
39 464	Scheibe in Gabelhebel Disc Disco		Gehäuse vollst. Housing Caja	85 502 Tm 52 349 bM	2	-	2	2
39 465 b	Unterlagscheibe f.Verschluss Washer Arandela		Objektivträger Lens carrier Portador de objetivo	47 351 bM	1	-	1	1 +)
39 467	Scheibe Disc Disco		Camera compl. Camera Cámara	861/24	1	1	1	1
39 474 b	Unterlagscheibe f.Verschluss Washer Arandela		Objektivträger Lens carrier Portador de objetivo	47 351 bM	-	-	1	1 +)

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k				Netto-Preis Net price Precio neto
				Number. Número				
				861 /24	861 /242	861 /241	861 /243	
39 480	Scheibe Disc Disco		Getriebegehäuse vollst. 66 376 Tm Housing f.mechanism 52 350 bM Caja p.mecanismo	1	-	1	1	
39 507 b	Unterlagscheibe i.Verschluß Washer Arandela		Objektivträger 47 351 bM Lens carrier 47 354 M Portador de objetivo	1	1	1	1	
39 550	Scheibe in Anker Disc Disco		Objektivträger 85 559 T Lens carrier Portador de objetivo	-	-	1	1	
39 578	Unterlagscheibe i.Verschluß Washer Arandela		Objektivträger 47 351 bM Lens carrier Portador de objetivo	-	-	1	1	*)
39 601	Unterlagscheibe Washer Arandela	14	Getriebegehäuse vollst. 52 388 M Housing f.mechanism Caja p.mecanismo	-	-	-	1	*)
39 602	Unterlagscheibe Washer Arandela	14	Getriebegehäuse vollst. 52 388 M Housing f.mechanism Caja p.mecanismo	-	-	-	1	*)
39 603	Scheibe Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	
39 604	Unterlagscheibe Washer Arandela		Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	*)
39 605	Unterlagscheibe Washer Arandela		Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	-	-	-	1	*)
39 606	Scheibe in Zahnrad Disc Disco		Getriebegehäuse vollst. 45 559 aTm Housing f.mechanism Caja p.mecanismo	-	-	-	1	
39 611	Unterlagscheibe i.Verschluß Washer Arandela		Objektivträger 47 351 bTm Lens carrier Portador de objetivo	-	-	-	1	*)
40 082	Unterlagscheibe u.Verschluß Washer Arandela		Objektivträger 47 351 bM Lens carrier 47 354 M Portador de objetivo	1	1	1	1	*)
42 198 a	Rastscheibe Notched disc Disco con muescas		Objektivträger 47 351 bVm Lens carrier 47 354 Vm Portador de objetivo	-	1	1	1	
42 199	Abdrückscheibe i.Abdr.bolzen Release plate Planchita disparadora		Getriebegehäuse vollst. 66 376 Tm Housing f.mechanism 52 350 bM Caja p.mecanismo	1	-	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	- 7 - Zaugruppe, sauteil Assembly Montaje		S t ü c k				Netto-Preis Net price Precio neto
					Number 861 Numero				
					/24	/24Z	/24	/243	
42 223 b	Anschlagscheibe i.Stirnr.mont. Stop disc Disco de tope		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	45 565 bTm 52 350 bM	1	-	1	1	
45 550	Stirnr.ad,30 Zähne Spur gear, 30 cogs Rueda frontal, 30 dientes		Gehäuse vollst. Housing Caja	15 432 Tm 52 349 bM	1	-	1	1	
45 558	Stirnr.ad, 20 Zähne Spur gear, 20 cogs Rueda frontal, 20 dientes		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	66 377 Tm 52 350 bM	1	-	1	1	
45 559 aTm	Zahnrad m.Kurve mont. Gear with curves Rueda dentada con curves		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM	1	-	1	1	
45 560 aTm	Zwischenrad mont. Intermediate gear Rueda intermedia		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM	-	-	1	1	
45 561 a	Zwischenrad II Intermediate gear, II Rueda intermedia, II		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	45 560 Tm 52 350 bM	1	-	1	1	
45 562 a	Aufzugsrad,(35 Z.)i.Filmschl.bolz. Winding gear, 35 cogs Rueda de arrastre, 35 dientes		Getriebegehäuse volls. Housing f.mechanism Caja p.mecanismo	66 378 aT 52 350 bM	1	-	1	1	
45 565 bTm	Stirnr.ad mont. Spur gear Rueda directa		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM	-	-	1	1	
45 567	Filmrad,(40 Z.)i.Filmschl.bolz. Gear,(40 cogs)f.film wind Engranaje,40 dientes,para mecanismo de arrastre		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	66 378 aT 52 350 bM	1	-	1	1	
45 621 aTm	Zahnrad mont. Gear Rueda dentada		Objektivträger Lens carrier Portador de objetivo	47 351 bVm	-	-	1	1	
45 635 a	Stirn-u.Kegelrad, 23 Zähne Spur and bevel gear, 23 cogs Rueda directa cónica, 23 dientes		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 388 M	-	-	-	1	
45 647	Stirnr.ad, 36 Zähne Spur gear, 36 cogs Rueda frontal, 36 dientes	17	Gehäuse mont. Housing Caja	52 387 T	-	-	-	1	
47 327 a	Lagerwinkel Bearing angle Pieza angular de cojinete		Gehäuserückwand Camera back Tapa posterior	52 351 T	1	-	1	1	
47 351 bTm	Objektivträger m.Lagerbuchse Lens carrier with bushing		Objektivträger Lens carrier	47 351 bT	-	-	1	1	
Portador de objetivo con casquillo			Portador de objetivo						

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, sauteil Assembly Montaje	S t ü c k Number Numero				Netto-Preis Net price Precio neto
				861 /24	861 /24Z	861 /241	861 /243	
47 351 cIm	Objektivträger m.Lagerbuchse Lens carrier w.bushing Portador de objetivo c.casquillo	12	Objektivträger Lens carrier Portador de objetivo	47 351 cI	-	-	-	1
47 351 cI	Objektivträger vormont. Lens carrier Portador de objetivo		Objektivträger Lens carrier Portador de objetivo	47 351 cVm	-	-	-	1
47 351 cVm	Objektivträger mont. Lens carrier Portador de objetivo		Objektivträger Lens carrier Portador de objetivo	47 351 cM	-	-	-	1
47 351 bM	Objektivträger vollst. Lens carrier Portador de objetivo	10	Camera compl. Camera Cámara	861/24 AM	-	-	1	-
47 351 dM	Objektivträger vollst. Lens carrier Portador de objetivo		Camera compl. Camera Cámara	861/24 BM	-	-	-	1
49 117	Scharnierstück i.Gabelh.kurz Hinge Bisagra		Gehäuse vollst. Housing Caja	85 502 Tm 52 349 bM	1	-	1	1
52 350 bM	Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo		Camera compl. Camera Cámara	861/24 AM	-	-	1	-
52 380	Prismengehäuse Prism housing Caja p.prisma		Sucherprisma vollst. Viewfinder prism Prisma de visor	102 070 M/2	-	-	-	1
52 388	Getriebegehäuse (Gußteil) Housing f.mechanism Caja p.mecanismo		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 388 M	-	-	-	1
52 388 M	Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo		Camera compl. Camera Cámara	861/24 BM	-	-	-	1
53 189	Filmschlüsselgehäuse Film key housing Caja p. llave de arrastre		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 388 M	-	-	-	1
60 177 a	Schlitzmutter Slotted nut Tuerca entallada		Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	52 350 bM	1	1	1	1
60 189	Schlitzmutter Slotted nut Tuerca entallada		Gehäuse vollst. Housing Caja	52 387 M	-	-	-	1
65 3/b a	Achse Shaft Eje		Gehäuse vollst. Housing Caja	52 349 bM	-	-	1	1



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				Number	Número			
				861				
				/24	/242	/243	/243	
65 417 .	Achse f. Rückspulung Rewind shaft Eje p. rebobinar		Gehäuse vollst. Housing Caja	52 387 T	-	-	-	1
66 248	Lagerbolzen Bearing pin Perno de cojinete		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 388 M	-	-	-	1
66 249	Lagerbolzen Bearing pin Perno de cojinete		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 388 M	-	-	-	1
66 250	Lagerbolzen Bearing pin Perno de cojinete		Objektivträger vormont. Lens carrier Portador de objetivo	47 351 cT	-	-	-	1
66 379	Lagerbolzen in Stirnrad Bearing pin Perno de cojinete		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	45 565 Tm/1 52 350 M	1	-	-	-
66 379 a	Lagerbolzen in Stirnrad Bearing pin Perno de cojinete		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	45 565 Tm 52 350 bM	-	-	1	-
66 381 a	Lagerbolzen Bearing pin Perno de cojinete		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 350 M	1	1	1	1
66 445 Tm	Abdrückbolzen mont. Release pin Varilla disparadora	7, 14	Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 388 M	-	-	-	1
66 446 T	Filmschlüsselbolzen mont. Film key pin Eje p. llave de película		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 388 M	-	-	-	1
66 447 Tm	Lagerbolzen m. Stirnrad mont. Pin with spur gear Perno con rueda frontal	7, 14	Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	52 388 M	-	-	-	1
66 448	Lagerbolzen in Stirnrad Pin with spur gear, Perno con rueda frontal		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	45 565 bTm	-	-	-	1
66 467 a	Bolzen Pin Perno		Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo	85 571 aTm	-	-	-	1
75 446 T	Zeitskalenring mont. Speed dial Anillo p. velocidades		Objektivträger Lens carrier Portador de objetivo	47 351 bVm	-	-	1	1
75 457 T	Einstellring f. Blende mont. Diaphragm sitting ring Anillo graduador del diafragma		Objektivträger Lens carrier Portador de objetivo	47 354 M	-	1	-	-

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número				Netto-Preis Net price Precio neto
				861 /24	/242	/241	/243	
75 458 T	Zeitskalenring mont. Speed dial Anillo p. velocidades		Objektivträger 47 351 bVm Lens carrier 47 354 Vm Portador de objetivo	-	1	1	-	
75 477 T	Einstellring f. Blende mont. Diaphragm sitting ring Anillo graduador del diafragma		Objektivträger 38 410 aT Lens carrier 47 351 bVm Portador de objetivo	-	-	1	1	
85 503 Tm/1	Gabelhebel lang, Forked lever, long Palanca bifurcada, larga		Gehäuse vollst. 38 354 aT Housing 52 349 bM Caja	1	-	1	-	
85 504	Überzugshebel i. Gabelh. lang Stop lever Palanca de tope		Gehäuse vollst. 85 503 Tm/1 Housing 52 349 bM Caja	-	-	1	1	
85 507 c	Tasthebel Control lever Palanca de mando	7, 14	Getriebegehäuse 52 350 bM Housing f. mechanism Caja p. mecanismo	-	-	-	1	
85 558 Tm	Rasthebel mont. Retaining lever Palanca		Objektivträger 75 457 T Lens carrier 47 354 M Portador de objetivo	-	1	-	-	
85 566 Tm	Rasthebel mont. Retaining lever Palanca		Objektivträger 75 477 T Lens carrier 47 351 bVm Portador de objetivo	-	-	1	1	
85 571 aTm	Tasthebel mont. Control lever Palanca de mando	16	Getriebegehäuse vollst. 52 350 bM Housing f. mechanism Caja p. mecanismo	-	-	1	1	
85 578 Tm	Gabelheb. kurz, m. Scharn. stck. mont. Forked lever w. hinge Palanca bifurcada c. bisagra		Gehäuse vollst. 52 387 M Housing Caja	-	-	-	1	
85 579 Tm	Gabelhebel, lang, mont. Forked lever, long, w. hinge Palanca bifurcada, larga		Gehäuse vollst. 38 354 aT/1 Housing Caja	-	-	-	1	
91 046	Kurve f. Spiegelklappe i. Zahnrad Curve f. mirror flap Curva para tapa del espejo		Getriebegehäuse vollst. 45 559 Tm Housing f. mechanism 52 350 bM Caja p. mecanismo	1	-	1	1	
91 047 a	Kurve f. Lichtklappe i. Zahnrad Curve f. light trap Curva para tapa interceptora de la luz		Getriebegehäuse vollst. 45 559 Tm Housing f. mechanism 52 350 bM Caja p. mecanismo	1	-	1	1	
94 061	Federkern Pin for fastening spring Perno p. sujetar resorte	16	Getriebegehäuse vollst. 45 559 Tm Housing f. mechanism 52 350 bM Caja p. mecanismo	-	-	-	1	
95 315	Rahmen Frame Marco		Sucher vollst. 102 070 M finder visor	1	-	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k Number 861 Número				Netto-Preis Net price Precio neto
				/24	/24Z	/24\	/243	
101 330	Einblicklinse i.Fassung Eyepiece lens, mounted Lente de mirilla, montado		Camera compl. 50 256 T Camera 861/24-Z-A-B Cámara	1	1	1	1	
101 331	Feldlinse Field lens Lente de campo		Sucher vollst. 102 070 M Viewfinder Visor	1	-	1	1	
103 480	Stufenlinse Stepped lens Lente graduada		Sucher vollst. 102 070 M Viewfinder Visor	1	-	1	1	
103 503	Maske Mask Máscara		Sucher vollst. 102 070 M Viewfinder Visor	1	-	1	-	
108 259	Dichtungseinlage Linning Forro		Camera compl. 861/24 BM Camera 861/24 AM Cámara	1	1	1	1	
109 183	Bezug compl. Cover compl. Cubierta compl.		Camera compl. 861/24 BM Camera 861/24 AM Cámara	-	-	1	1	
109 183/1	Bezug Cover Cubierta		Gehäuserückwand. 52 351 M Camera back Tapa posterior	-	-	1	1	
109 183/2	Bezug f.Gehäuse-Aufzugseite Cover f. housing, side of winding knob Cubierta p.caja, lado del botón de arrastre		Camera compl. 861/24 BM Camera 861/24 AM Cámara	-	-	1	1	
109 183/3	Bezug f.Geh.-Rückspulseite Cover f. housing, side of winding knob Cubierta p.caja, lado del botón p.rebobinar		Camera compl. 861/24 BM Camera 861/24 AM Cámara	-	-	1	1	
113 739	Dichtungseinlage Linning Forro		Gehäuserückwand 52 351 T Camera back Tapa posterior	1	-	1	1	
116 559	Schaltdraht 0,3 Ø x 60 lang Flex Conductor		Objektivträger 47 351 bVm Lens carrier Portador de objetivo	-	-	1	1	
122 019	Kugel 2Ø i.vord.Deckkappe Stedball, diameter 2 mm Bola de acero, diametro 2 mm		Objektivträger 38 410 aT Lens carrier 47 351 bVm Portador de objetivo	-	1	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number. Número				Netto-Preis Net price Precio neto
				861 /24	861 /242	861 /243	861 /243	
MXV CROO-5436	Spez.Synchro-Comp.-Verschluß m.Anschraubring u.Tess.1:2,8/45 Special-Synchro-Comp.-shutter w.Tess.f.2,8/45 mm and screw ring Obturador especial Synchro- Compur con Tessar 1:2,8/45 y anillo vasado		Camera compl. 861/24 A Camera 861/24 B Cámara	-	-	1	1	
ZIN 517 M 1,7x1,8-M6	Linsenschraube Lens head screw Tornillo de cabeza lenticular		Gehäuse vollst. 52 349 b Housing Caja	-	-	2	-	
M 1,7x4,5 DIN 551-5S	Gewindestift Threaded pin Perno con rosca		Objektivträger 47 351 bVm Lens carrier Portador de objetivo	-	-	1	-	
M 1,7x6,5 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Objektivträger 47 351 bVm Lens carrier Portador de objetivo	-	-	1	-	
M 1,7x9 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. Camera Cámara	-	-	1	1	

C o n t a f l e x   I I

Order No. 862/24 and 862/24 B

C o n t e n t s

1. General notes

Models with double-range exposure meters and exposure meters with follow-up pointers.

2. Dismantling

Dismantling the cover plate. For the rest of the camera follow the instructions for Contaflex I.

3. Instructions for repair

Describing the possible faults in exposure meters and how to remedy them.

4. Testing instructions

Only those tests are described which differ from those for the Contaflex I.

5. Lubricating plan

Listing the lubricating spots which do not exist in the Contaflex I.

6. List of spare parts

Only those are mentioned which are not applicable for the Contaflex I.

7. Tools

The tools are mentioned which are used for the Contaflex II in addition to those for the Contaflex I.

8. Illustrations

The illustrations can be folded out to the right so that they can be studied while reading the text.



General Notes

The Contaflex II is on the market in two different models. Model, order no. 862/24 has a double-range exposure meter which is recognisable by the figures 1 - 8 in the scale window and has a flap in front of the cell which is pierced by two small slits (fig. 1 - 4). The adjusting knob has two sectors of figures, green and black.

The model 862/24 B has an exposure meter with a follow-up pointer. This model is easily recognisable by its scale-window in which no figures will appear but only the follow-up pointer with the white circle. The protecting flap on the cell has no slits and the adjusting knob only a single range of figures (fig. 11).

Several axles of the mechanism have been reduced in diameter in order to reduce friction. This alteration will be made by and by in all models including the Contaflex I. The same applies to the release lock and the second blocking (fig. 12), which should always be built-in together. The new spring-loaded spool carrier (fig. 17) will also be used in all future models but cannot be built into existing cameras. The other above mentioned innovations, however, may be incorporated.

The lens mount of the new cameras has an inner thread instead an outer one for filters, lens hoods and other accessories (fig. 9 and 10). All accessories can be used with both types, however, without any alterations.

## Dismantling Contaflex II

### Removing the cover-plate

From the two-range exposure meter model the cover plate T 38 414 a can be removed by pulling the rewind knob 72 513 upwards and unscrewing the screw Ss 152. When the knob is removed attention must be paid to the ball 122 015 and the spring 23 617 which will both jump off. Now the nut 60 180 can be loosened by means of the special spanner 862/24 M/VMo 80 and the adjusting knob 75 451 with all scales and rings taken off. Then the discs 75 462 and 39 551 a beneath the knob can be removed. The film wind knob should be removed in the same way as described for the Contaflex I. After having unscrewed the screws M 1,7 x 7,5 DIN 84 - 5S or M 1,7 x 9 DIN 84 - 5S the cover plate can be lifted off. This will free the bearing spacer 15 438; if there are discs underneath the screws they should be returned carefully when the camera is re-assembled (fig. 4).

From the exposure meter model with follow-up pointer, the rewind knob can be removed by unscrewing it while the film transport drum is held tight. Now the threaded bush 15 288 is accessible and can be removed by means of the special tool 862/24 BM/VMo 81. The adjusting ring 75 517 I can now be taken off with all the discs on top of it and so can the ring 79 121 with the accompanying discs and the spring. The film wind knob should be removed in the same way as described for the Contaflex I.

The cover plate 38 436 I can be removed by unscrewing the screws M 1,7 x 9 DIN 84 - 5S or ZIN 511 M 1,7x8-5S. The bearing spacers 15 438 and 15 486 and other discs which may have been used here should be carefully replaced on the same spot when re-assembling (fig.13). The instructions given for the Contaflex I concerning the casing of the mechanism, the camera body and the lens panel apply also to this camera.



### Instructions for Repairing the Contaflex II

For faults concerning the camera itself or the shutter, the instructions for repairing the Contaflex I should be followed. For faults in the exposure meter the following instructions should be applied:

F a u l t	C a u s e	R e m e d y
1. Incorrect zero setting	Instrument out of adjustment	Remove the disc 72 417 and re-adjust by means of the eccentric screw Ss 318 a, according to testing instructions (fig.3). With new models loosen the clamping screw Ss 523 and adjust the adjusting plate by means of a scribe.
2. Correct zero setting impossible by above-mentioned remedy.	Spiral clogged	Remove the cover plate (see instructions for dismantling), remove the whole instrument and clean the spiral with ether (fig.13). Then correct zero setting according to testing instructions.
3. The pointer is jammed	Foreign bodies in instrument	Unscrew cover 103 437 T or 103 505 T. Examine K-instrument with a magnifier and steel wire for foreign bodies. If need be unsolder connecting wires, remove K-instrument and continue search for foreign bodies. Check finally according to testing instruction.
4. Pointer does not reflect	Cell out of order	Bridge cell contacts with circuit tester. If the instrument deflects dismantle the cell and measure it by means of testing case VE 33. If values too low the cell should be regenerated according to the instructions in the VE 33. If no success replace cell by a new one and calibrate exposure meter according to instructions under para.8, checking it according to testing instructions.
5. Pointer does not reflect	Interrupted circuit	Short-circuit wires on K-instrument. If the pointer moves considerably slower to the zero position than with open wires (electrical damping), the movement 1354/5M or 1354/9M is a right.
6. Exposure meter gives incorrect results	Cell has lost its sensitivity	As described under para.4.
7. Higher values incorrect	Wrong resistor	Exchange resistor, see "Calibration". Control according to testing instructions.

## 8 . C a l i b r a t i o n

The calibrating case VE 33 (fig.19), specially designed by us for the use of repair shops, makes possible the exact calibration of all exposure meters made by Zeiss Ikon. All practically possible repairs can be done with the tools included in this case. Each case also contains comprehensive instructions for its use. Calibration should always be performed with stop f/8 and a film speed of 15/10<sup>0</sup> DIN. The exposure meter should be balanced at two points, leaving a sufficient distance between each other. The first point should be at approx. 1 second, the second at 1/125 second or higher. One rule which should be strictly adhered to is that the first point to be calibrated should be the lower one and only then the higher one. The lower control point, the deflection of which should be in the lower third of the scale, will be influenced by darkening discs 103 449 of various densities. The higher control point must be adjusted by resistors of different resistance. Attention should be paid to the fact that any change in resistance of 1 K Ohm corresponds to a difference of about one stop. For exchanging the resistors the casing of the mechanism must be removed.

The double-range exposure meters should be calibrated first with the exposure meter flap fully open. The range obtained with the flap closed can then be adjusted by changing the size of the slit.

After every repair camera and exposure meter should be checked according to the testing instructions.

### Testing instructions for Contaflex II

The testing instructions for the Contaflex I apply also to the Contaflex II, but with the following addenda:

#### Double-range exposure meter

The time setting should turn easily and positively. The flap should spring open when the axle of the hinge is pressed to one side and it should snap in securely when closed. The pointer of the instrument should deflect freely no matter whether the camera is held in the taking position or tilted up to  $90^{\circ}$ . When light cannot enter the cell the pointer should be at zero. The exposure times should be tested by means of the testing case.

#### Exposure meter with follow-up pointer.

Testing should be performed in the same way as with the double-range exposure meter. Furthermore, note that the follow-up pointer should follow positively when the time setting ring is turned.

#### Zero setting

The follow-up pointer (white circle) should be brought to the terminal setting at the beginning of the measuring range. If light does not strike the cell, the measuring pointer beneath the ring of the follow-up pointer should point towards the side where the measuring range begins (i.e., at the tangent to the measuring range). Tolerance: when looked at from above, the measuring pointer should still apparently touch the ring either on the inside or the outside.

#### Film advance and frame counter

In cameras with an interlocking device, it should not be possible to depress the release knob if the film advance knob has not been turned until it stops.

Lubricating Plan for Contaflex II

Group	Component and lubricating point	Fig.	Zeiss Ikon lubricant
Lens panel	Bearing bolt 66 377 Bearing of spur wheel	-	Oil OS 2
Casing of mechanism	Film-key bolt 66 446 T with spring, all sliding surfaces of the spur wheel 45562	-	Oil OS 2
	Spur wheel and sprocket wheel 45 563 and bearing	14	Grease FS 1
	Intermediate wheel 45 560 a Tm Gear-tooth system and bearing	14	Grease FS 1
Body	Spur wheel 45 551, bearing	15	Grease FM 6
	Forked levers 85 578 Tm and 85 579 Tm	15	Grease FM 6
	Forks and gear	15	Oil OS 2
Exposure meter	All gear-tooth systems and bearings of the rewinding device	-	Grease FM 6
	Scanning lever 85 571 Tm and 85 574, Bearing	16	Grease FM 6
	Steering disc 91 061 Cam plate	16	Grease FM 6
Camera complete	Spur wheels 45 569 Gear-tooth system	-	Grease FS 1
	Front lens thread thread	-	Grease FM 6

Zeiss Ikon A.G.  
Stuttgart

E r s a t z t e i l - P r e i s l i s t e

Price List f. Spare Parts  
Lista de Precios p.piezas recambio

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C o n t a f l e x II, Kat.Nr. 862/24

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24B	
Ss 152	Schraube Screw Tornillo	4	Camera compl. 862/24 M Camera Cámara	1	-	
Ss 209	Zylinderschraube Fillister head screw Tornillo sin fin		Gehäuse vollst. 52 378 aM Housing f.mechanism Caja p.mecanismo	1	1	
Ss 212	Gewindestift mit Zapfen Threaded pin w.pivot Pernocon rosca y pivote	15	Camera compl. 862/24 BM Camera Cámara	-	1	
Ss 213	Abschlußschraube Screw f. filling Tornillo p. cubrir		Camera compl. 862/24 BM Camera Cámara	-	1	
Ss 318 a	Abschlußschraube Screw f. filling Tornillo p. cubrir	3	Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
Ss 322	Gewindestift Grub screw Perno roscado		Getriebegeh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
Ss 511	Exzentrerschraube Eccentric screw Tornillo excéntrico		Getriebegeh.vollst. 52 397 M Housing f.mechanism Caja p.mecanismo	1	1	
584 a	Ansatzniet m.Rille i.Gabelheb.lg. Rivet with shoulder Remache con cuello		Gehäuse 85 503Tm/1 Housing 52 378aM Caja	1	1	
639 a	Ansatzniet i.Gabelhebel (lang) Rivet with shoulder Remache con cuello		Gehäuse 85 503Tm/1 Housing 52 378aM Caja	1	1	
656	Ansatzniet i.Gabelhebel kurz Rivet with shoulдор Remache con cuello		Lichtklappe zu Geh. 38 354 aT Light trap f.housing 52 378 aM Tapa interceptora de la luz para la caja	1	1	
732 a	Ansatzniet i.Anker mont. Rivet with shoulder Remache con cuello		Objektivträger 85 559 T Lens carrier 47 351 cM Portador de objetivo	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil. Assembly Montaje	S t ü c k Number 862/24		Preis Price Precio
Sn 47	Niet Rivet Remache		Gabelhebel kurz 85 502 Tm Forked lever, short Palanca ahorquillada, corta  Gabelhebel lang Forked lever, long Palanca ahorquillada, larga	1	1	
Fs 14 M	Filmspule mont. Filmspool Carrete		Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
12 226 J	Achse Shaft Eje	1, 16	Getriebegeh. vollst. 52 379 T Housing f. mechanism Caja p. mecanismo	1	1	
15 288	Gewindebuchse Threaded bush Casquillo roscado	13	Camera compl. 862/24 BM Camera Cámara	-	1	
15 312	Lagerbuchse Bushing Casquillo		Boden zu Geh. Rückw. 38 352 aTm Base f. back of housing Fondo p. tapa posterior de caja	1	1	
15 316 a	Lagerbuchse Bushing Casquillo		Gehäuse 52 378 aTm Housing Caja	-	1	
15 376	Lagerbuchse Bushing Casquillo		Gehäuse 52 378 aTm Housing Caja	1	1	
15 430	Lagerbuchse Bushing Casquillo		Gehäuse 52 378 aTm Housing Caja	1	1	
15 462	Buchse Bushing Casquillo		Deckel z. Getriebe 38 415 Housing f. mechanism Caja p. mecanismo 52 379 M	2	2	
15 486	Distanzbuchse Spacer Tubo de distancia	13	Camera compl. 862/24 BM Camera Cámara	-	1	
15 495	Buchse in Achse Bushing in shaft Casquillo en eje		Getriebe 862/24 BM Mechanism Mecanismo	-	1	
15 515	Distanzbuchse Spacer Tubo de distancia		Gehäuse 52 378 aT Housing Caja	1	1	
22 443	Feder in Andrückplatte Spring Resorte		Camera 26 356 T, 862/24 M Camera 862/24 BM Cámara	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	St ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
22 563	Haltefeder i.Spiegelklappe Holding spring Resorte sujetador		Gehäuse 38 353 cTm Housing 52 378 aM Caja	1	1	
22 630	Flachfeder i.Zeitskalenring Flat spring Resorte plano		Objektivträger 75 446 T, Lens carrier 47 351 cM Portador de objetivo	1	1	
22 657 a	Feder Spring Resorte	17	Gehäuse 862/24 BM Housing Caja	-	1	
22 660	Federscheibe Spring disc Disco resorte	13	Camera compl. 862/24 BM Camera Cámara	-	1	
22 661	Federscheibe Spring disc Disco resorte	13	Camera compl. 862/24 BM Camera Cámara	-	1	
22 675	Haltefeder rechts i.Spieg.klappe Right retaining spring Resorte sujetador derecho		Gehäuse 38 353cTm Housing 52 378 aM Caja	1	1	
22 676	Haltefeder lks.i.Spiegelklappe Left retaining spring Resorte sujetador izquierdo		Gehäuse 38 353 cTm Housing 52 378 aM Caja	1	1	
22 678	Feder Spring Resorte	5, 16	Getr.gehäuse vollst. 52 378 M Housing f.mechanism Caja p.mecanismo	1	1	
23 617	Druckfeder Pressure spring Resorte de presión	4	Camera compl. 862/24 M Camera Cámara	1	1	
23 751a ✓	Scharnierfeder Hinge spring Resorte p.bisagra	1, 16	Getr.Geh.vollst. 52 379 T Housing f.mechanism Caja p.mecanismo	1	1	
23 752	Feder i.Einstellring f.Blende Spring Resorte		Objektivträger 75 477 T Lens carrier 47 351 cM Portador de objetivo	1	1	
23 785 a	Drehfeder Rotating spring Resorte giratorio	16	Getr.Geh.vollst. 52 378 M Housing f.mechanism Caja p.mecanismo	-	1	
23 805	Feder Spring Resorte		Objektivträger 24 175 Tm Lens carrier 47 351 cM Portador de objetivo	-	1	
24 175 Tm	Klinke mont. Pawl Gatillo	12	Objektivträger 47 351 cVm Lens carrier Portador de objetivo	-	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k Number Número		Preis Price Precio
				862/24	862/24 B	
25 308	Ausgleichplättchen Compensating plate Planchita de ajuste		Getr.gehäuse vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
25 372	Halteplättchen Retaining plate Planchita sujetadora		Getr.Geh.vormont. 52 379 T Housing f.mechanism Caja p.mecanismo	1	1	
25 373	Platte in Anker mont. Plate Plancha		Objektivträger 85 559 T Lens carrier 47 351 cM Portador de objetivo	1	1	
25 381	Halteplättchen Retaining plate Planchita sujetadora		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
29 297	Kontaktwinkel Contact angle Pieza de contacto		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
29 335 Tm	Winkel mit Niet Angle with rivet Pieza angular con remache	15	Gehäuse 52 378 aM Housing Caja	-	1	
29 337	Winkel in Zahnrad Angle Angulo		Objektivträger 45 621 aTm Lens carrier 47 351 cM Portador de objetivo	-	1	
30 243	Knöpfchen i.Rasthebel mont. Button Botón		Objektivträger 85 566 Tm Lens carrier Portador de objetivo	1	1	
33 268	Mitnehmer i.Lagerbuchse Clutch Leva de arrastre		Gehäuse 15 432 Tm Housing 52 378 aM Caja	1	1	
33 304	Lager Bearing Cojinete		Getriebegeh. 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
33 314	Mitnehmer Clutch Pieza de arrastre	17	Gehäuse mont. 52 378 aM Housing Caja	-	1	
33 315	Rolle i.Tasthebel mont. Roller Rodillo		Getriebegeh. 85 571 Tm Housing f.mechanism 52 379 M Caja p.mecanismo	1	-	
33 325	Lager Bearing Cojinete		Getriebegeh. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
33 401	Rolle in Tasthebel mont. Roller Rodillo		Getriebegeh. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	



Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
34 672	Seitenblech Lateral plate Plancha lateral	5	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
34 673	Seitenblech Lateral plate Plancha lateral	5	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
34 687	Einstellblech Adjusting plate Plancha de ajuste	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
34 694	Abdeckblech Cover plate Plancha de recubrimiento		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
34 719	Anschlag Stop Tope	14, 19	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
38 352 aTm	Boden mont. Bottom Fondo		Gehäuserückwand 52 379 M Camera back Tapa posterior	1	1	
38 354aT/1	Lichtklappe vollst. Light trap Placa abturadora	15	Gehäuse vollst. 52 378 aM Housing Caja	-	1	
38 410 aT	vord.Deckkappe mont. Front cover Tapa delantera		Obj.träger vollst. 47 351 cM Lens carrier Portador de objetivo	1	1	
38 414 aT	Deckkappe mont. Cover Tapa	4	Camera compl. 862/24 M Camera Cámara	1	-	
38 415 Tm	Deckel f.Zelle vormont. Cover f.photo-cell Tapa p.fotocélula	1	Getriebegehäuse 52 379 T Housing f.mechanism Caja p.mecanismo	1	-	
38 436 T	Deckkappe mont. Cover Tapa	13	Camera compl. 862/24 BM Camera Cámara	-	1	
38 441 Tm	Deckel f.Zelle vormont. Cover f.photo-cell Tapa p.fotocélula	16	Getriebegehäuse 52 379 T Housing f.mechanism Caja p.mecanismo	-	1	
39 001	Scheibe Washer Arandela		Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
39 013	Ausgleichscheibe Washer Arandela	13	Camera compl. 862/24 BM Camera Cámara	-	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número		Preis Price Precio
39 014	Ausgleichscheibe Washer Arandela	13	Camera compl. Camera Cámara	862/24 BM	-	1
39 068	Beilagscheibe i. Winkel Washer for angle Arandela p. angulo		Gehäuse Housing Caja	29 305 Tm 52 378 aM	1	1
39 101 a	Scheibe i. Bolzen mont. Disc Disco		Gehäuse Housing Caja	66 373 Tm 52 378 aM	1	1
39 121	Scheibe Disc Disco		Getr. geh. vollst. Housing f. mechanism Caja p. mecanismo	52 379 M	1	1
39 122	Unterlagscheibe Washer Arandela	16	Getr. geh. vollst. Housing f. mechanism Caja p. mecanismo	52 379 M	-	1
39 126	Unterlagscheibe Washer Arandela	16	Getr. geh. vollst. Housing f. mechanism Caja p. mecanismo	52 379 M	-	1
39 150	Unterlagscheibe i. Lagerbolzen Washer Arandela	16	Getr. gehäuse Housing f. mechanism Caja p. mecanismo	66 447 Tm 52 379 M	1	1
39 298	Scheibe i. Tasthebel mont. Disc Disco		Getriebegehäuse Housing f. mechanism Caja p. mecanismo	85 571 Tm 52 379 M	1	1
39 363	Scheibe Disc Disco		Gehäuse vollst. Housing Caja	52 378 aM	1	1
39 396	Scheibe Disc Disco	12	Objektivträg. mont. Lens carrier Portador de objetivo	47 351 cVm	-	1
39 423	Unterlagscheibe Washer Arandela	7, 14	Getriebegeh. vollst. Housing f. mechanism Caja p. mecanismo	52 379 M	1	1
39 457	Scheibe Disc Disco		Camera compl. Camera Cámara	862/24 BM	-	1 +)
39 464	Scheibe i. Gabelheb. kz. u. lg. Disc Disco		Gehäuse Housing Caja	85 502 Tm 52 378 aM	1	1
39 467	Scheibe i. Deckkappe Disc Disco		Camera Camera Cámara	862/24 M 862/24 BM	1	1

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
39 480	Scheibe in Abdrückbolzen Disc Disco		Getriebegehäuse 66 445 T Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
39 526	Scheibe Disc Disco	1, 16	Getr.geh.vollst. 52 379 T Housing f.mechanism Caja p.mecanismo	1	1	
39 545	Scheibe Disc Disco		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1 +)	-	
39 546	Scheibe Disc Disco		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
39 547	Scheibe Disc Disco	4	Camera compl. 862/24 M Camera Cámara	1	-	
39 550	Scheibe i.Anker mont. Disc Disco		Objektivträger 85 559 T Lens carrier 47 351 cM Portador de objetivo	1	1	
39 551 a	Scheibe Disc Disco	4	Camera compl. 862/24 M Camera Cámara	1	-	
39 553	Scheibe Disc Disco	4	Camera compl. 862/24 M Camera Cámara	1 +)	-	
39 576	Einlagescheibe i.Deckk.mont. Washer Arandela		Deckkappe mont. 38 414 aT Cover Tapa	1	-	
39 578	Unterlagscheibe Washer Arandela		Objektivträg.mont. 47 351 cM Lens carrier Portador de objetivo	1 +)	1 +)	
39 582	Scheibe Disc Disco		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
39 588	Scheibe Disc Disco		Camera compl. 862/24 BM Camera Cámara	-	1	
39 589	Scheibe Disc Disco	16	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
39 601	Unterlagscheibe Washer Arandela	14, 19	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1 +)	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
39 602	Unterlagscheibe Washer Arandela	14, 19	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1 +)	
39 603	Scheibe Disc Disco	19	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
39 604	Unterlagscheibe Washer Arandela	19	Getr.gehäuse vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1 +)	
39 605	Unterlagscheibe Washer Arandela	19	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1 +)	
39 606	Scheibe Disc Disco		Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
39 611	Unterlagscheibe f.Verschluss Washer Arandela		Objektivträg.vollst. 47 351 cM Lens carrier Portador de objetivo	-	1 +)	
40 082	Unterlagscheibe f.Verschluss Washer Arandela		Objektivträg.vollst. 47 351 cM Lens carrier Portador de objetivo	1 +)	1 +)	
41 068	Federscheibe Spring disc Disco resorte	4	Camera compl. 862/24 M Camera Cámara	1	-	
42 199 a	Abdrückscheibe i.Abdrückbolz. Release plate Planchita disparadora		Getr.geh.vollst. 66 445 Tm Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
42 223 b	Anschlagscheibe i.Stirnrad Stop disc Disco de tope		Getr.geh.vollst. 45 565 bTm/1 Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
42 227	Kupplungsscheibe Coupling disc Disco de acoplamiento	6	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
42 255	Anschlagscheibe Stop disc Disco de tope	13	Camera compl. 862/24 BM Camera Cámara	-	1	
45 187	Trieb Pinion Pinón	16	Camera compl. 862/24 BM Camera Cámara	-	1	
45 550	Stirnrad, 30 Z., i.Lagerbuchse Spur gear, 30 cogs Rueda frontal, 30 dientes		Gehäuse 15 432 Tm Housing 52 378 aM Caja	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
45 558	Stirnrad, 20 Z., i. Lagerbolzen Spur gear, 20 cogs Rueda frontal, 20 dientes		Getriebegehäuse 66 447 Tm Housing f. mechanism 52 379 M Caja p. mecanismo	1	1	
45 561	Zwischenrad II, 22 Zähne Intermediate gear, 20 cogs Rueda intermedia, 22 dientes		Getriebegehäuse 45 560 Tm Housing f. mechanism 52 379 M Caja p. mecanismo	1	1	
45 562 a	Aufzugsrad, 35 Z., i. Filmschl. bolz. Winding gear, 35 cogs Rueda de arrastre, 35 dientes		Getriebegehäuse 66 446 T Housing f. mechanism 52 379 M Caja p. mecanismo	1	1	
45 567	Filmrad, 40 Z., i. Filmschl. bolz. Gear, 40 cogs, f. film wind Engranaje, 40 dientes p. mecanismo de arrastre		Getriebegehäuse 66 446 T Housing f. mechanism 52 379 M Caja p. mecanismo	1	1	
45 634	Stirnrad, 57 Zähne Spur gear, 57 cogs Rueda frontal, 57 dientes		Gehäuse 52 378 aT Housing Caja	1	-	
45 635 a	Stirn-u. Kegelrad, 23 Zähne Spur-and bevel gear, 23 cogs Rueda directa conica, 23 dientes	19	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
45 647	Stirnrad, 36 Zähne Spur gear, 36 cogs Rueda frontal, 36 dientes	17	Gehäuse 52 378 aM Housing Caja	-	1	
45 673	Zahnrad, 44 Zähne Gear, 44 cogs Rueda dentada, 44 dientes	16	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
45 674	Zahnrad, 18 Zähne Gear, 18 cogs Rueda dentada, 18 dientes	16	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
45 681	Stirnrad, 44 Zähne Spur gear, 44 cogs Rueda frontal, 44 dientes		Gehäuse 52 378 aM Housing Caja	-	1	
47 351 bTm	Obj.träger m. Lagerbuchse Lens carrier with bushing Portador de objetivo con casquillo		Objektivträger 47 351 bT Lens carrier Portador de objetivo	1	-	
47 351 cTm	Obj.träger m. Lagerbuchse Lens carrier w. bushing Portador de objetivo con casquillo		Objektivträger 47 351 cT Lens carrier Portador de objetivo	-	1	
47 351 bT	Objektivträger vormont. Lens carrier Portador de objetivo		Objektivträger 47 351 bVm Lens carrier Portador de objetivo	1	-	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
47 351 cT	Objektivträger vormont. Lens carrier Portador de objetivo	12	Objektivträger 47 351 cVm Lens carrier Portador de objetivo	-	1	
47 351 bVm	Objektivträger mont. Lens carrier Portador de objetivo		Objektivträger vollst. 47351 bM Lens carrier Portador de objetivo	1	-	
47 351 cVm	Objektivträger mont. Lens carrier Portador de objetivo		Obj.träger vollst. 47 351 cM Lens carrier Portador de objetivo	-	1	
47 351 bM	Objektivträger vollst. Lens carrier Portador de objetivo	9	Camera compl. 862/24 M Camera Cámara	1	-	
47 351 cM	Objektivträger vollst. Lens carrier Portador de objetivo	10	Camera compl. 862/24 BM Camera Cámara	-	1	
49 117	Scharnierstück i.Gab.heb.kz. Hinge Bisagra		Gehäuse 85 502 Tm Housing 52 3/8 aM Caja	1	1	
52 379	Getriebegehäuse (Gußteil) Housing f.mechanism(casting) Caja p.mecanismo (fundida)		Getriebegehäuse 52 379 T Housing f.mechanism Caja p.mecanismo	1	-	
52 379 T	Getriebegehäuse vormont. Housing f.mechanism Caja p.mecanismo		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
52 379 M	Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo	3	Camera compl. 862/24 M Camera Cámara	1	-	
52 380	Prismengehäuse Prism housing Caja p.prisma		Sucherprisma vollst. 102 070 M/1 Viewfinder prism Prisma de visor	1	1	
52 395	Getriebegehäuse (Gußteil) Housing f.mech.(casting) Caja p.mecanismo(fundida)		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
52 395 T	Getriebegehäuse vormont. Housing f.mechanism Caja p.mecanismo	14,16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
52 395 M	Getriebegehäuse vollst. Housing f.mechanism Caja p.mecanismo		Camera compl. 862/24 BM Camera Cámara	-	1	
53 189	Filmschlüsselgehäuse Film key housing Caja p.llave de arrastre		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
55 098	Nachführzeiger Follower needle Aguja de ajuste	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
56 048	Griffe f.Verriegl.scheibe Handles Asas		Rückwand 52 351 M Camera back Tapa posterior	1	1	
60 180	Rundmutter Round nut Tuerca redonda	4	Camera compl. 862/24 M Camera Cámara	1	-	
60 189	Schlitzmutter Slotted nut Tuerca entallada		Gehäuse vollst. 52 396 M Housing Caja	-	1	
60 194	Sechskantmutter Hexagon nut Tuerca hexagonal	16	Getriebegeh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
65 423	Achse in Tasthebel Shaft Eje		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
65 424	Achse Shaft Eje		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
65 424 T	Achse mont. Shaft Eje	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
66 248	Lagerbolzen Bearing pin Perno de cojinete	19	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
66 249	Lagerbolzen Bearing pin Perno de cojinete	19	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
66 250	Lagerbolzen Bearing pin Perno de cojinete		Objektivträger 47 351 cT Lens carrier Portador de objetivo	-	1	
66 445 Tm	Abdrückbolzen mont. Release pin Varilla disparadora	7,14	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
66 446	Filmschlüsselbolzen Film key pin Eje p.llave de película		Getriebegehäuse 66 446 T Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
66 446 T	Filmschlüsselbolzen mont. Film key pin Eje p.llave de película		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
66 447 Im	Lagerbolzen m. Stirnrad mont. Pin w. spur gear Perno con rueda frontal	7, 14	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	1	1	
66 448	Lagerbolzen in Stirnrad Bearing pin Perno de cojinete		Getriebegehäuse 45 565b Im Housing f. mechanism 52 379 M Caja p. mecanismo	1	1	
66 449 a	Achse Shaft Eje	6	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	1	-	
66 450	Lagerbuchse Bushing Casquillo	7	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	1	-	
66 467	Bolzen in Tasthebel Pin Perno		Getriebegehäuse 85 571 Im Housing f. mechanism 52 379 M Caja p. mecanismo	1	-	
66 467 a	Bolzen in Tasthebel Pin Perno		Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
66 472	Bolzen in Tasthebel Pin Perno		Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
66 473	Führungsbolzen in Achse Guide pin Perno de guía		Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	-	1	
72 418	Scheibe Disc Disco	3	Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
72 529	Lagerteller Supporting disc Disco de soporte		Gehäuse 52 378 a Im Housing Caja	1	1	
72 530	Rückspulknopf Rewinding knob Boton p. rebobinar	4	Camera compl. 862/24 M Camera Cámara	1	-	
72 570 b	Abstandring Spacer Anillo de separación	13	Camera compl. 862/24 BM Camera Cámara	-	1	
72 571	Rückspulknopf Rewinding knob Boton p. rebobinar	13	Camera compl. 862/24 BM Camera Cámara	-	1	
74 174	Mutterstück Nut Tuerca	6	Getriebegehäuse 52 379 M Housing f. mechanism Caja p. mecanismo	1	-	



Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
75 446 T	Zeitskalenring mont. Speed dial Anillo p.velocidades		Vordere Deckkappe 38 410 aT Front cover Tapa delantera	1	1	
75 449 bT	Blendenskala m.Rillenniet Diaphragm ring Anillo de diafragma	4	Camera compl. 862/24 M Camera Cámara	1	-	
75 477	Einstellring f.Blende Diaphragm sitting ring Anillo graduador del diafragma		Vordere Deckkappe 75 477 T Front cover 38 410 aT Tapa delantera	1	1	
75 477 T	Einstellring f.Blende mont. Diaphragm sitting ring Anillo graduador del diafragma		Vord.Deckkappe 38 410 aT Front cover Tapa delantera	1	1	
75 450	Ableseskala Scale Escala	6	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
75 451	Einstellring Setting ring Anillo graduador	4	Camera compl. 862/24 M Camera Cámara	1	-	
75 452	Empfindlichkeitsskala Film speed scale Escala de sensibilidad de película	4	Camera compl. 862/24 M Camera Cámara	1	-	
75 462	Leitzahlenskala Scale with guide numbers Escala con números de guía	4	Camera compl. 862/24 M Camera Cámara	1	-	
75 497 b	Empfindlichkeitsskala Film speed scale Escala de sensibilidad de película	13,11	Camera compl. 862/24 BM Camera Cámara	-	1	
75 517 aT	Einstellring mont. Setting ring Anillo graduador	11,13	Camera compl. 862/24 BM Camera Cámara	-	1	
75 518 T	Blendenskala mont. Diaphragm scale Escala de diafragma	11,13	Camera compl. 862/24 BM Camera Cámara	-	1	
79 121	Ring Ring Anillo	13	Camera compl. 862/24 BM Camera Cámara	-	1	
85 503Tm/1	Gabelhebel (lg.)mont. Forked lever w.hinge Palanca bifurcada con bisagra		Lichtklappe vollst. 38 354 aT Light trap Tapa interceptora dela luz	1	-	
85 504	Überzughebel i.Gabelhebel lg. Stop lever Palanca de tope		Gehäuse 85 503 Tm/1 Housing 52 378 aM Caja	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
85 507 c	Tasthebel Control lever Palanca de mando	7,14	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
85 566 Tm	Rasthebel mont. Retaining lever Palanca		Objektivträger 75 477 T Lens carrier 47 351 cM Portador de objetivo	1	1	
85 571aTm	Tasthebel mont. Control lever Palanca de mando	7,11,16	Getriebegehäuse 32 379 M Housing f.mechanism Caja p.mecanismo	-	1	
85 574aTm	Tasthebel mont. Control lever Palanca de mando	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
85 578Tm	Gabelheb.kz.m.Scharn.stück mont. Forked lever,short,with hinge Palanca bifurcada corta c.bisagra		Gehäuse 52 378aM Housing Caja	-	1	
85 579Tm	Gabelhebel,lg.,mont. Forked lever,long,w.hinge Palanca bifurcada,larga		Gehäuse 52 378aM Housing Caja	-	1	
91 046	Kurve f.Spiegelkl.i.Zahnrad Curve for mirror flap Curva para topa del espejo		Getriebegehäuse 45 559 Tm Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
91 047 a	Kurve f.Lichtklappe i.Zahnrad Curve for light trap Curva p.topa interceptora de la luz		Getriebegehäuse 45 559 Tm Housing f.mechanism 52 379 M Caja p.mecanismo	1	1	
91 061	Steuerscheibe Cam disc Disco de mando	16	Camera compl. 862/24 BM Camera Cámara	-	1	
94 061	Federkern Pin f.fastening spring Perno p.sujeta resorte	7	Getriebegehäuse vollst.52379 M Housing f.mechanism Caja p.mecanismo	1	1	
95 315	Rahmen Frame Marco		Sucher vollst. 102 070M/1 Viewfinder Visor	1	1	
101 330	Einblicklinse i.Fassung Eyepiece lens, mounted Lente de mirilla montado		Camera compl. 50 256 T Camera 862/24 M Cámara 862/24 BM	1	1	
101 331	Feldlinse Field lens Lente de campo		Sucher vollst. 102 070M/1 Viewfinder Visor	1	1	
103 436	Gehäuseboden Bottom of housing Fondo de caja	7	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
103 437	Deckel Cover Tapa	6	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
103 438 a	Prismenscheibe Prism pane Cristal prismático	2, 16	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
103 449	Scheibe Disc Disco	5, 16	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
103 456	Abdichtung Gasket Junta		Deckkappe mont. 38 414 aT. Cover 862/24 M Tapa	1	-	
R 103465T	Deckel m. Buchse Cover with bushing Tapa con casquillo	16.	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
103 475	Dichtung in Deckkappe Gasket Junta		Camera compl. 38 436 T Camera 862/24 BM Cámara	-	1	
103 480	Stufenlinse Stepped lens Lente graduada		Sucher 102 070 M/1 Viewfinder Visor	1	1	
103 488	Deckel unten Bottom Fondo	14	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
103 503	Maske Mask Mascara		Sucherprisma vollst. 102 070 M/1 Viewfinder prism Prisma de visor	1	1	
109 183	Bezug compl. Covering compl. Cubierta compl.		Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
109 183/1	Bezug Covering Cubierta		Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	
109 183/2	Bezug f.Geh.-Aufzugseite Cover f.housing,side of winding knob Cubierta p.caja,lado del botón de arrastre	1	Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	
109 183/3	Bezug f.Geh.-Rückspulseite Cover f.housing,side of rewinding knob Cubierta p.caja,lado del botón p.rebobinar	1	Camera compl. 862/24 M Camera 862/24 BM Cámara	1	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k Number 862/24		Preis Price Precio
108 259	Dichtungseinlage Lining Forro		Camera compl. 862/24 BM Camera Cámara	1	1	
112 348	Isolierschlauch i. Haltefeder Insulating tube Tubo aislador		Sucher 102 070M/1 Viewfinder Visor	1	1	
113 739	Dichtungseinlage Lining Forro		Rückwand 52 351 M Camera back Tapa posterior	1	1	
113 793	Isolierplatte Insulation Aislamiento	5, 16	Getr.geh.vollst. 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
116 559	Schalt draht Flex Conductor	12	Objektivträger 47 351cV Lens carrier Portador de objetivo	1	1	
116 598	Anschlußdraht Flex Conductor		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
122 015	Stahlkugel 1,588 Ø Steel ball, diameter 1,588 mm Bola de acero, diámetro 1,588 mm	4	Camera compl. 862/24 M Camera Cámara	1	1	
122 019	Stahlkugel 2 Ø Steel ball, diameter 2 mm Bola de acero, diámetro 2 mm		Vordere Deckkappe 38 410 aT Front cover Tapa delantera	1	1	
132 173	Widerstand 0,25-12,5 Ohm n.Bed. Resistance 0,25-12,5 Ohms, as may be required Resistencia 0,25-12,5 Ohmios, según se necesite	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	
132 182/1	Zelle vollst. Photo cell Fotocélula	5, 16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
1354/5 M	K-Instrument II vollst. Exposure meter movement Instrumento con bobina giratoria	6	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	-	
1354/9M	K-Instrument II vollst. Exposure meter movement Instrumento con bobina giratoria	16	Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	-	1	

Teil-Nr. Serial-No. Pieza-No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	S t ü c k		Preis Price Precio
				Number 862/24	Número 862/24 B	
MXVCR 00 543 a	Spez.-Synchro-Comp.-Verschluß m.Tess.1:2,8/45 u.Anschrb.ring  Special Synchro-Comp.shutter w.Tess.f/2,8-45 mm and screw ring  Obturador especial Synchro- Compur con Tessar 1:2,8/45 y anillo roscado		Objektivträger 47 351 cM  Lens carrier  Portador de objetivo	1	1	
10 240 A-22 F1	Skalenring Scale ring Anillo con escala	18				
10 240 B-26 F1	Skalenring Scale ring Anillo con escala	18				
10 240 C-31 F1	Skalenring Scale ring Anillo con escala	18				
ZIN 512 M 1,4x2,5 5 S	Senkschraube Countersunk screw Tornillo embutido		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
M 1,9x3 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	2	2	
ZIN 516 M 1,4x3 5 S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
BM 1,7 DIN 439 5 S	Sechskantmutter Hexagon nut Tuerca hexagonal		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
ZIN 517 M 1,7x1,8 Ms	Linsenschraube Lens head screw Tornillo de cabeza lenticular		Gehäuse 52 378 aM Housing Caja	2	2	
M 1,7x3,5 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. 862/24 M Camera Cámara	4	4	
M 1,7x4 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	1	1	
ZIN 515 M 1,7x4,5 5 S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 379 M Housing f.mechanism Caja p.mecanismo	2	2	



Spezial - Werkzeuge für

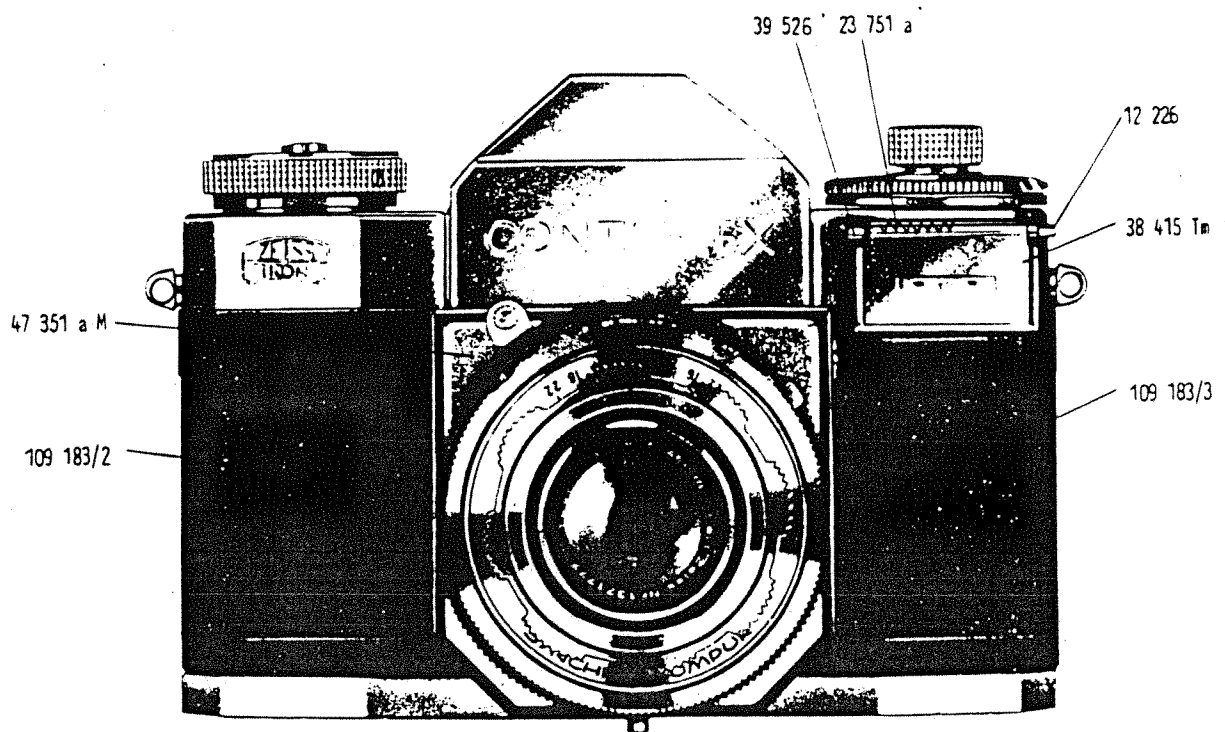
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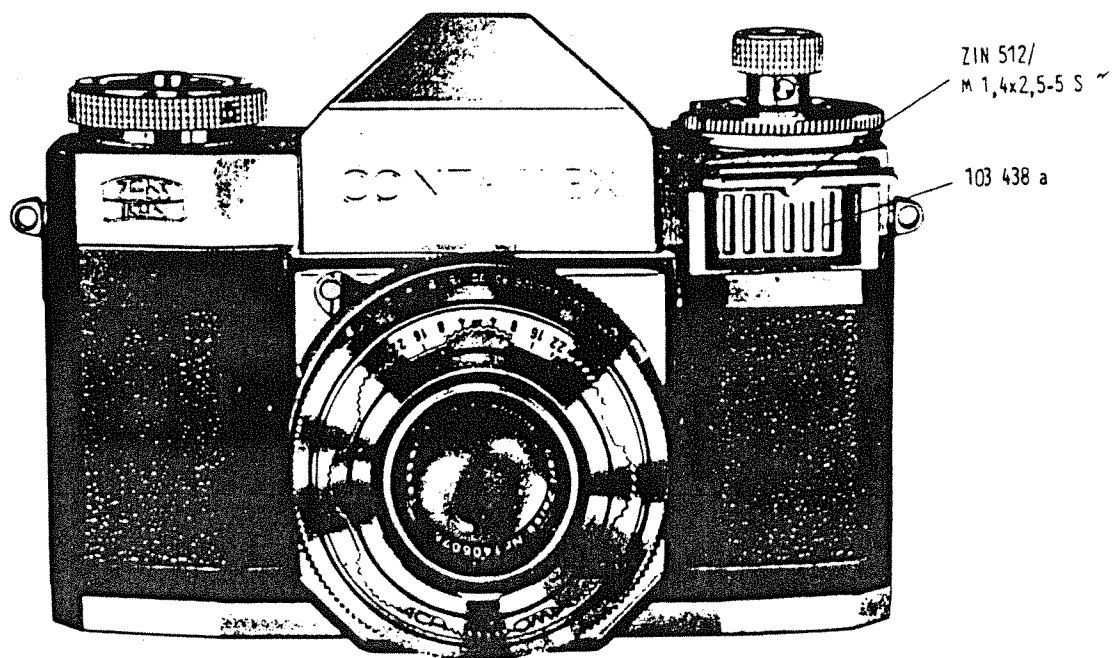
Bestell-Nr. Serial No. No. de pedido	Verwendung Use Empleo	Netto-Preis pro Stück Net Price p. piece Precio neto p. pieza DM
VE 33	Prüfkoffer für Belichtungsmesser Portable testing for photo-elektrico Maletin compobador de exposímetros	750.-- <sup>350.--</sup>
862/24 M/VNo 80	Schlüssel für Mutter 60 180 Key for nut 60 180 Llave para tuerca 60 180	13.10
862/24 BM/VNo 81	Schlüssel für Mutter 15 288 Key for nut 15 288 Llave para tuerca 15 288	13.40
52 396 M/VNo 80	Schlüssel für Mutter 60 189 Key for nut 60 189 Llave para tuerca 60 189	9.30



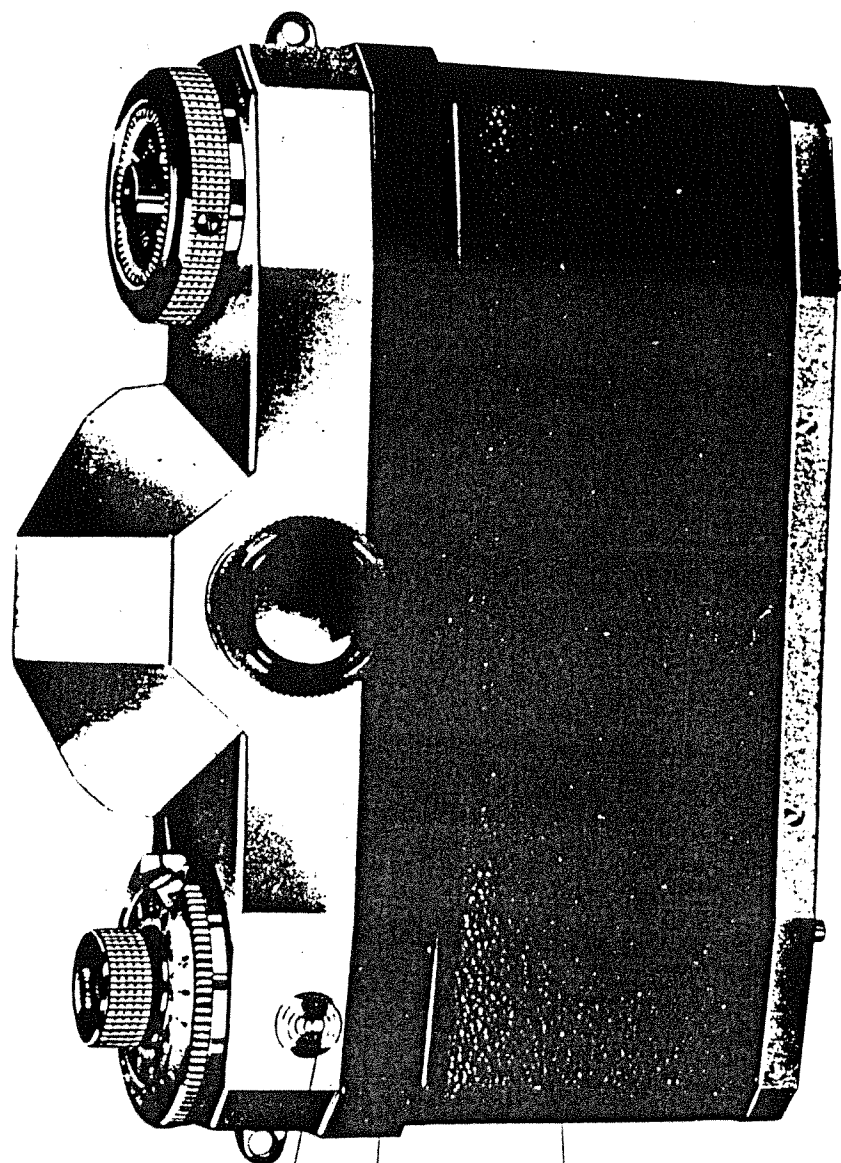




Ill. 1



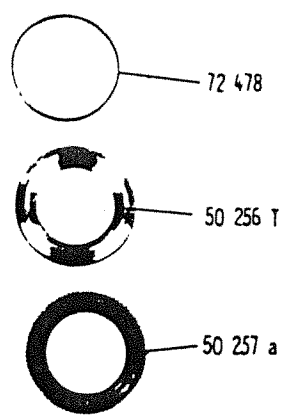
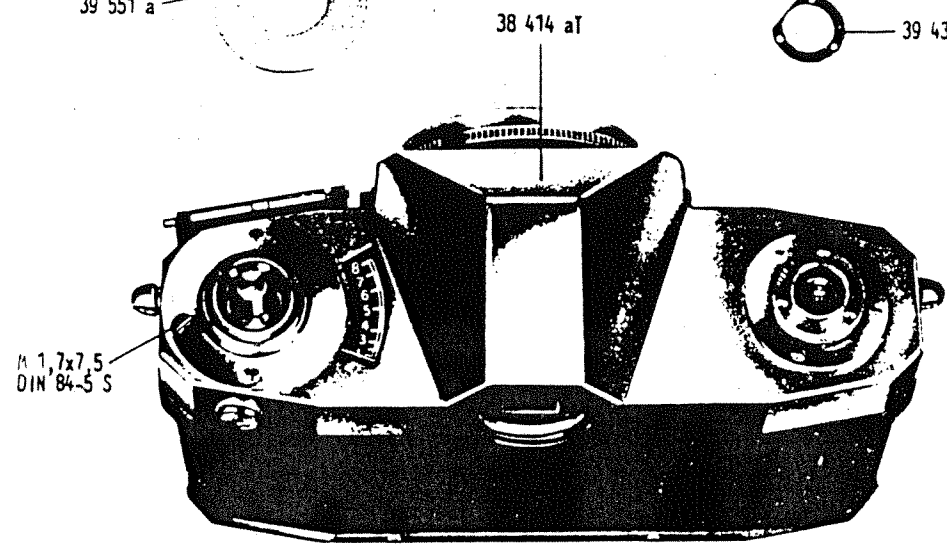
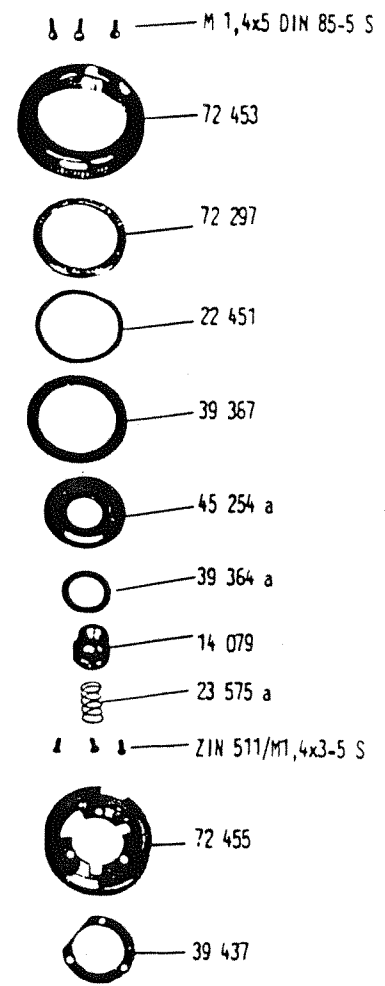
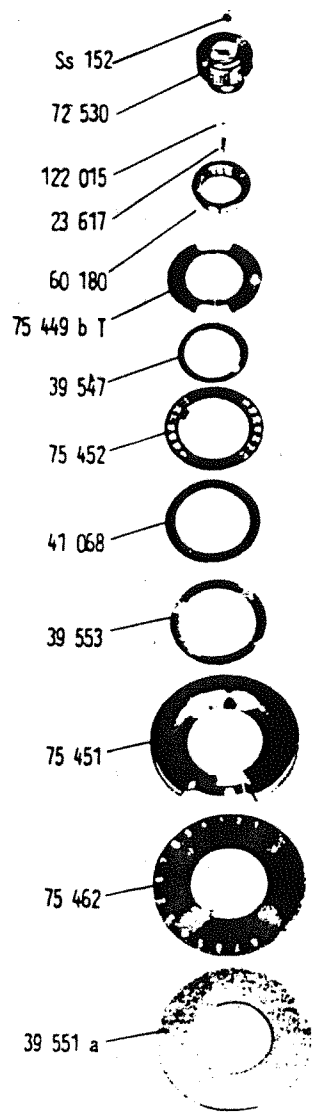
Ill. 2

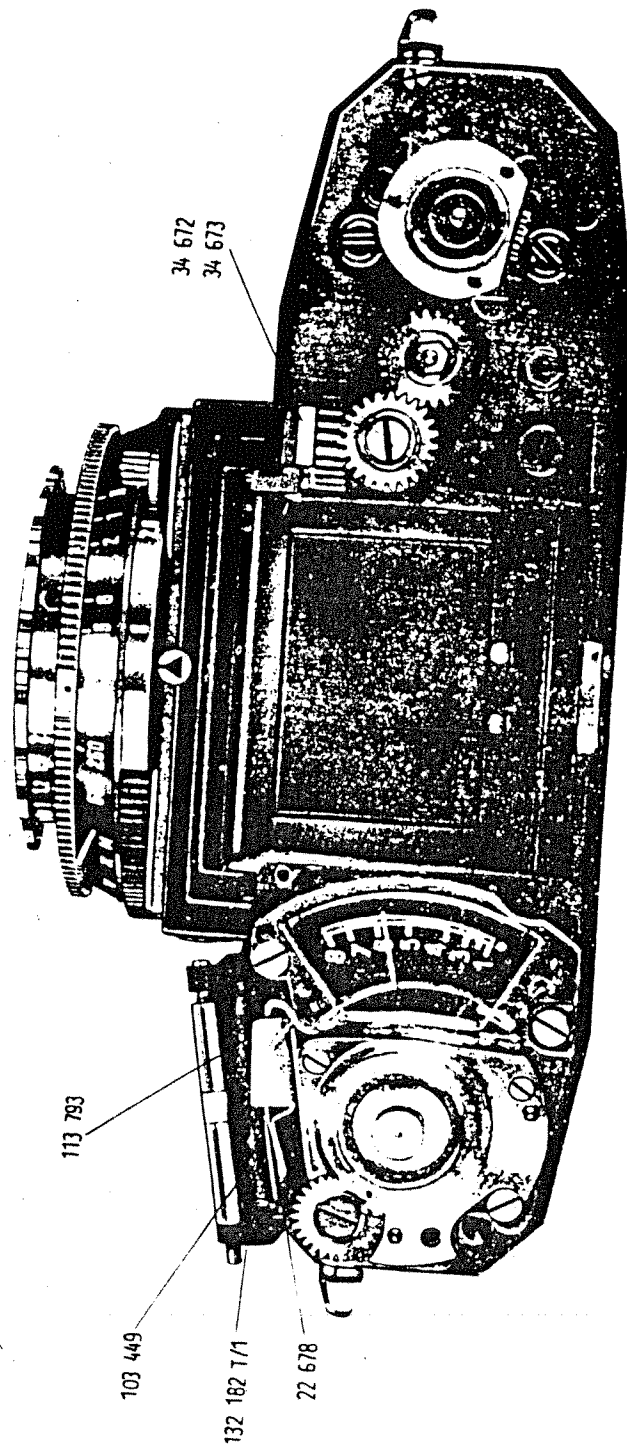


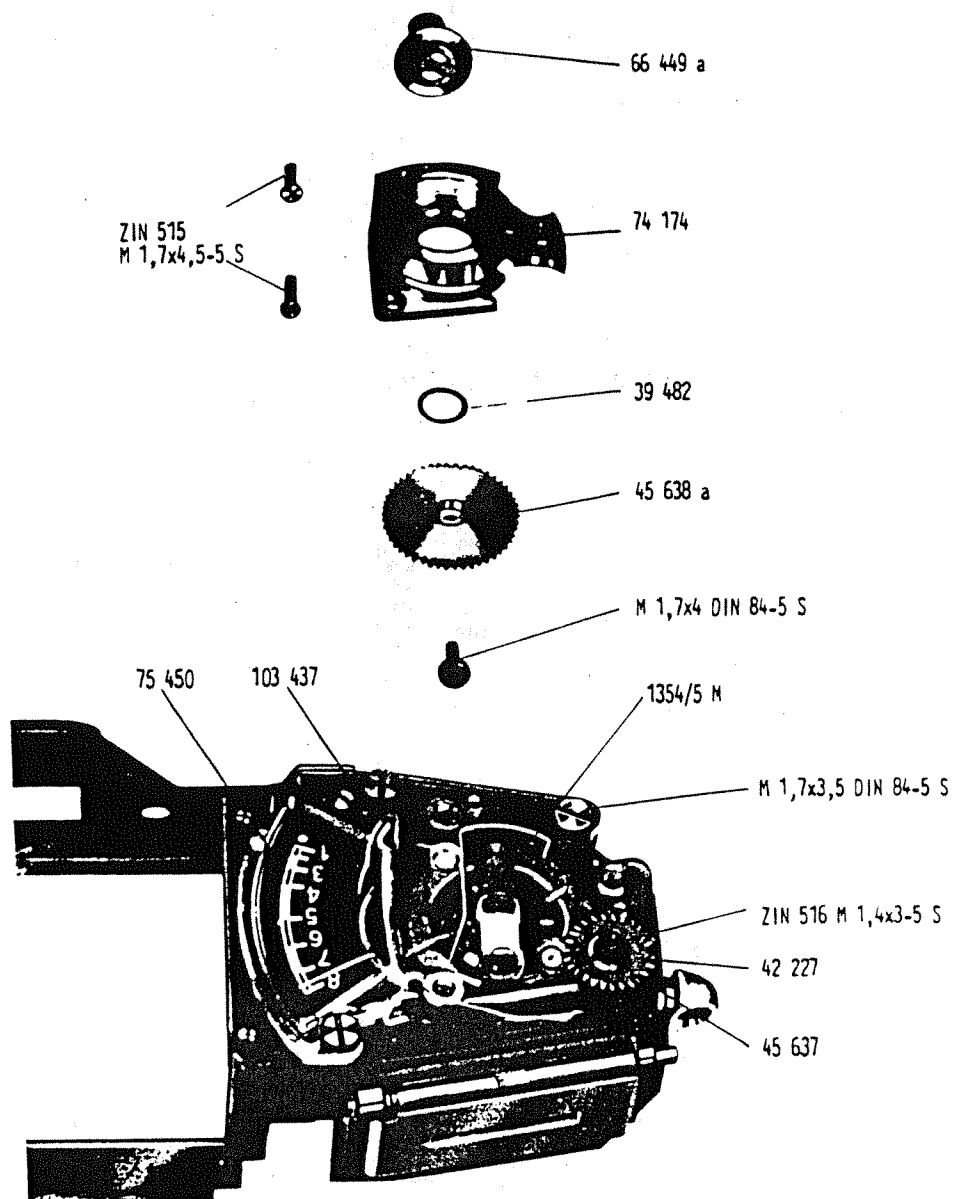
72 418  
Ss 318 a

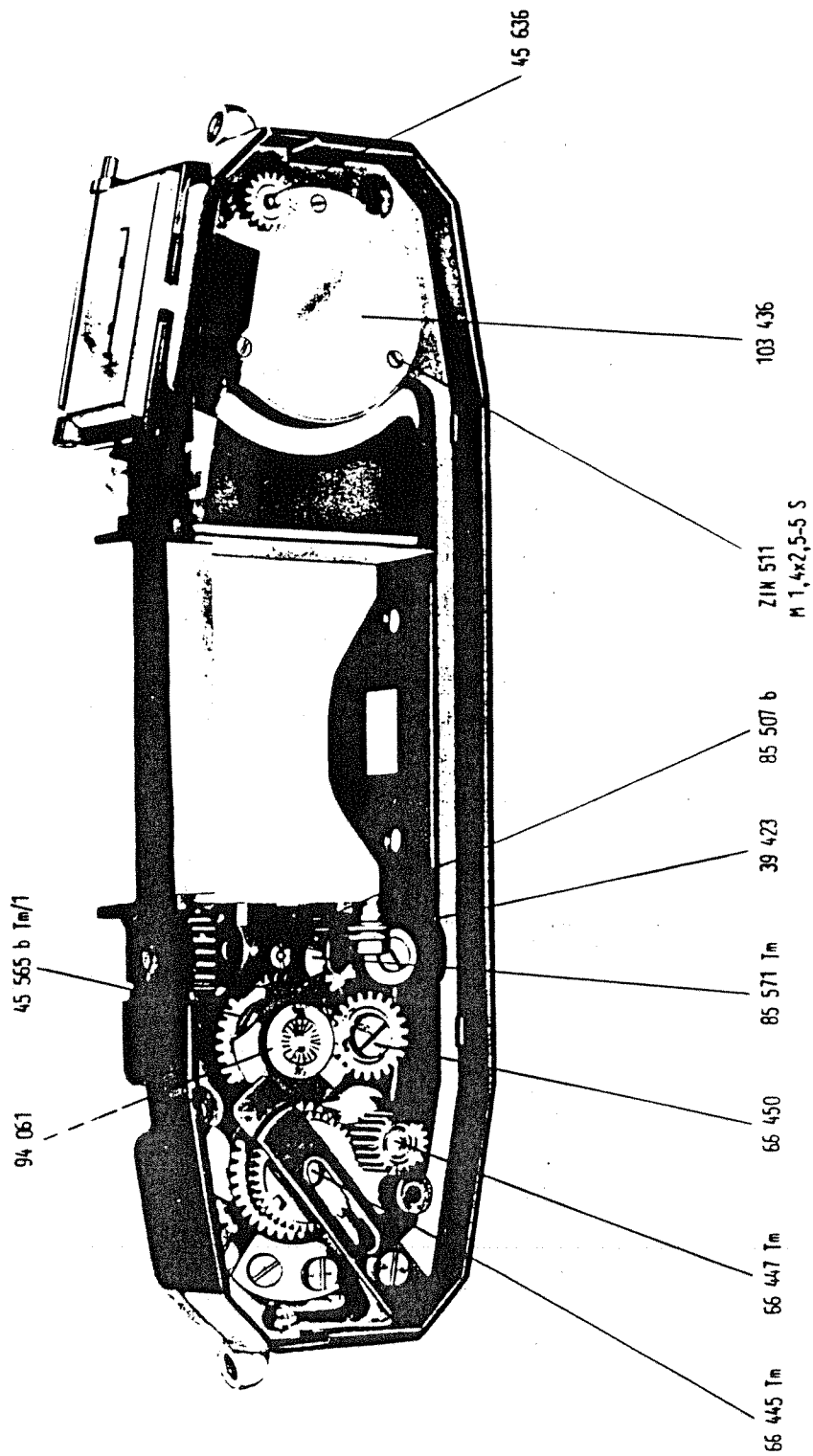
52 379 M

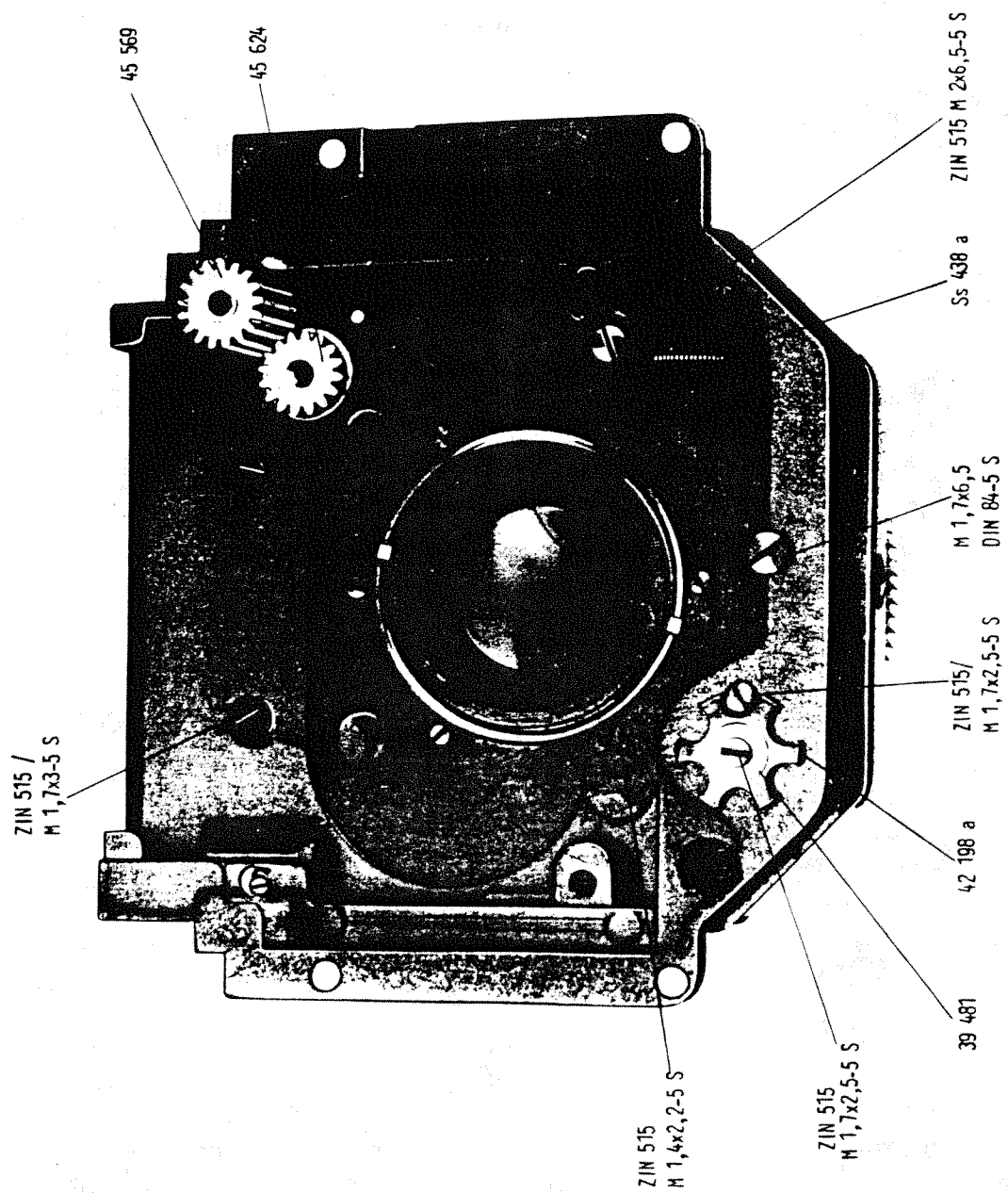
52 351 M

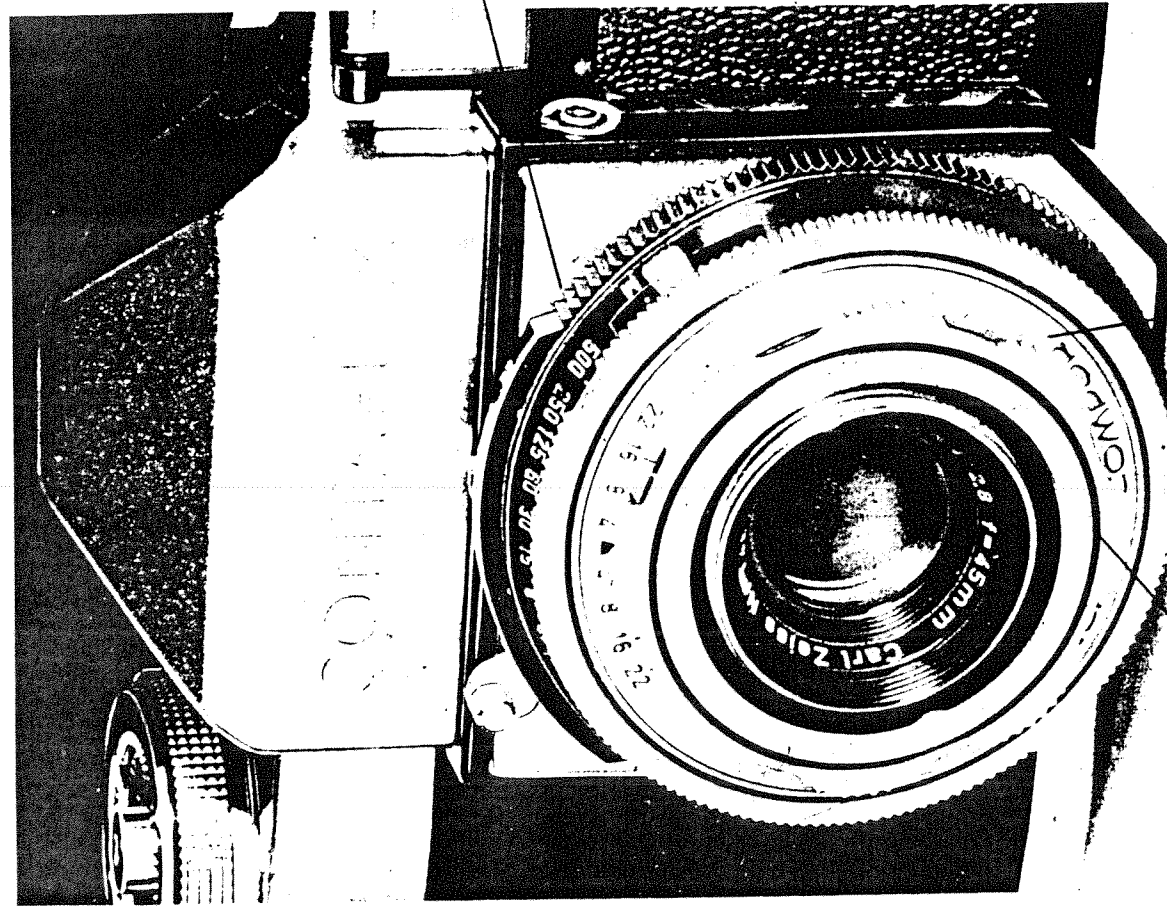








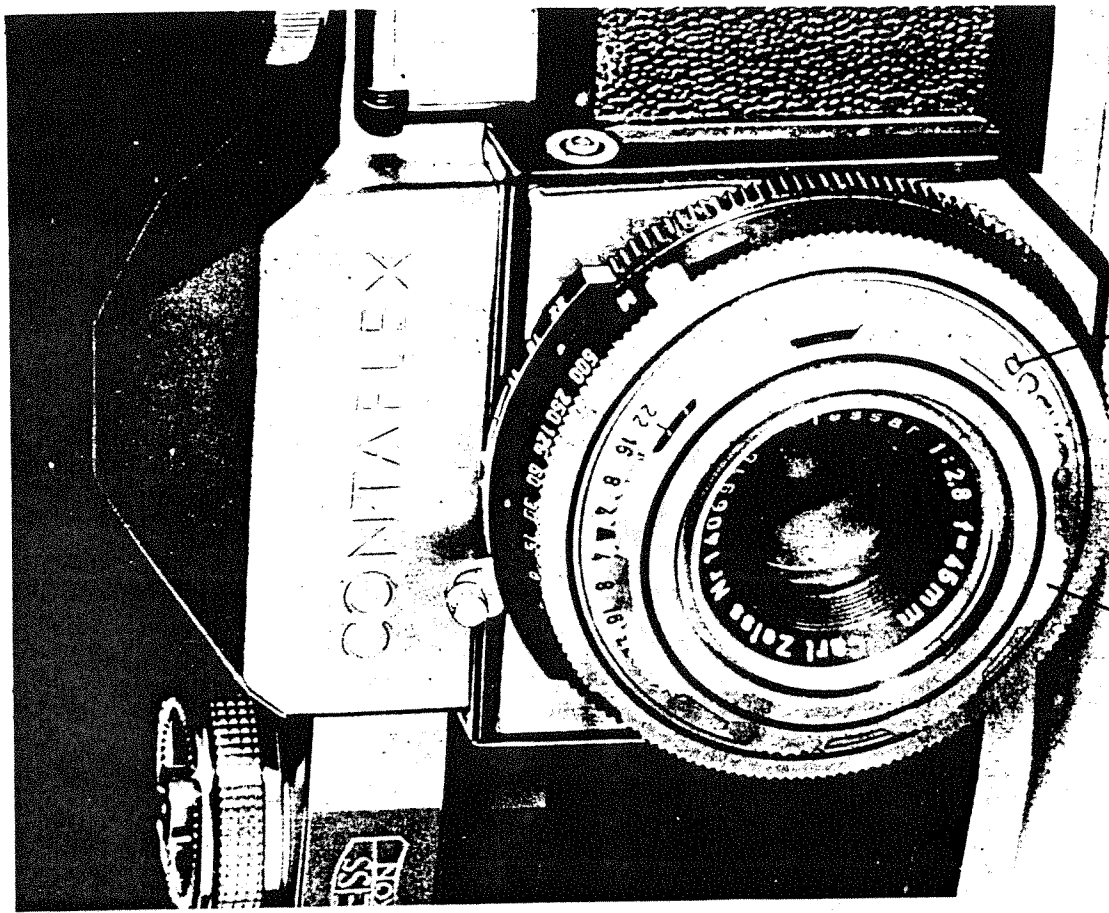




10 240 B

47 351 b H

ILL.9

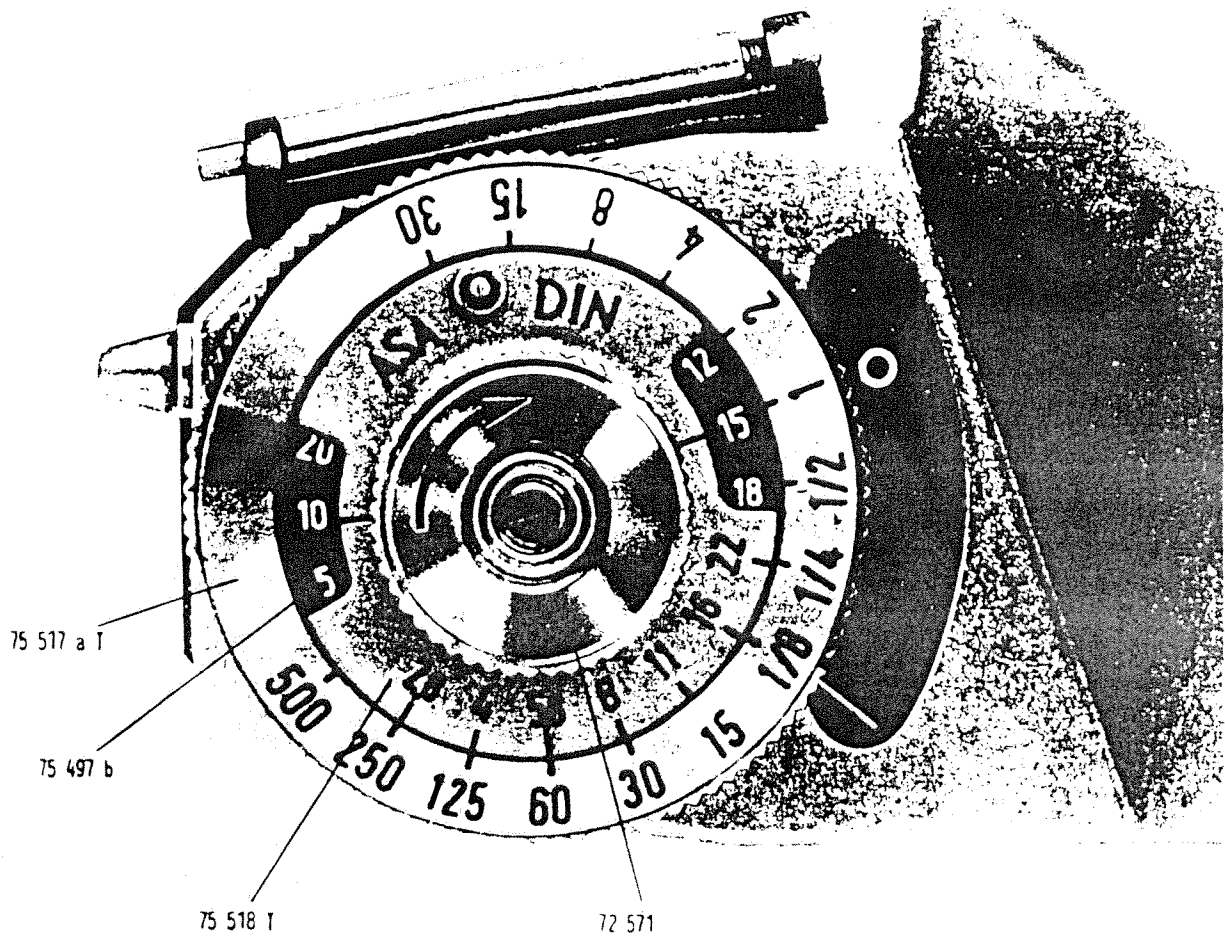


10 240 C

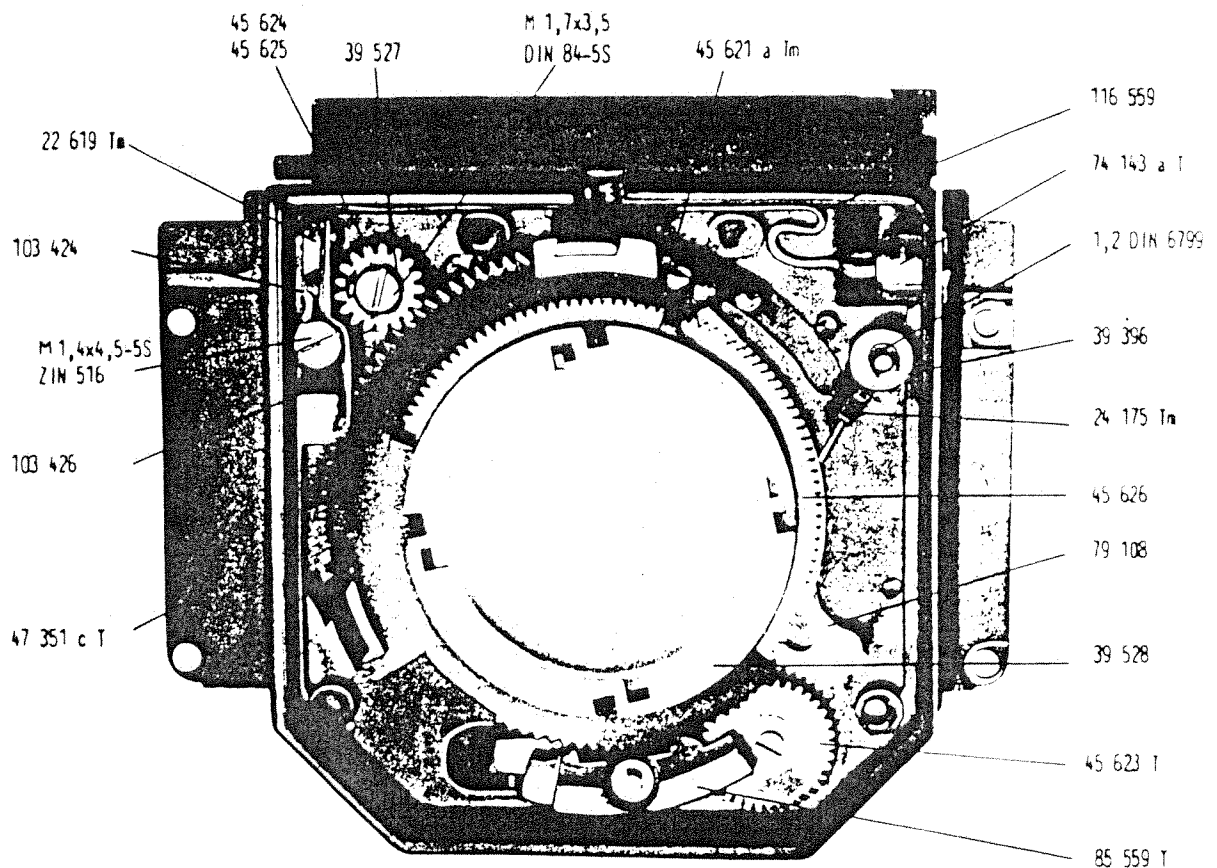
47 351 c H

ILL.10

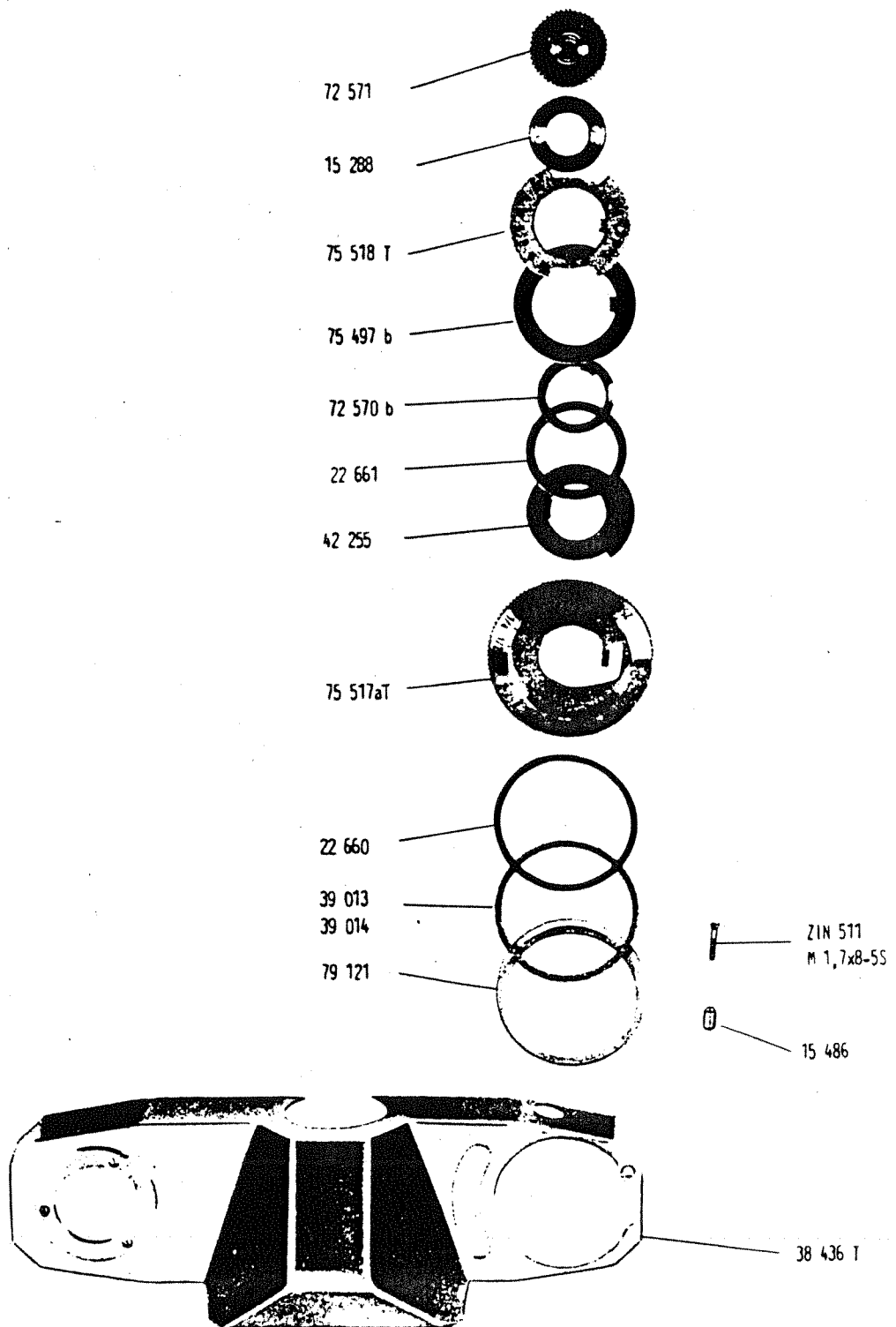




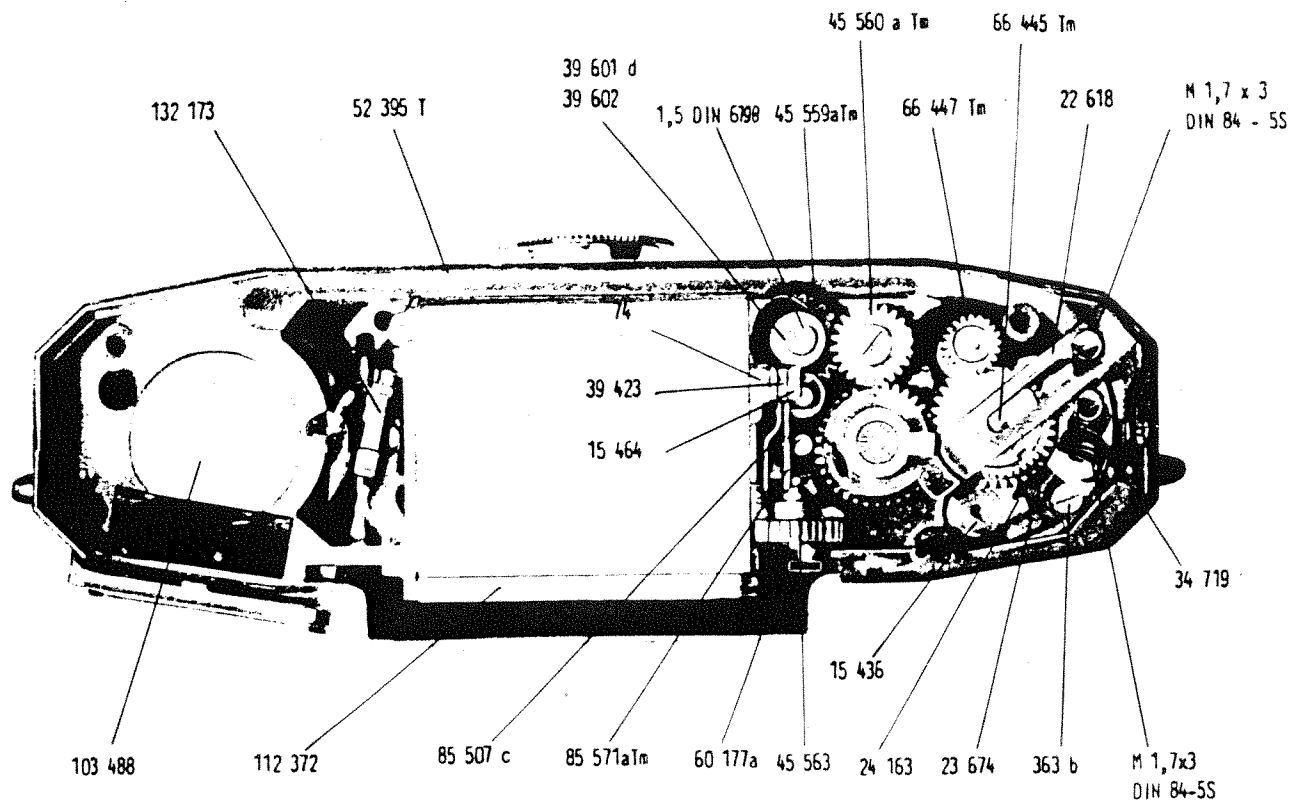
111.11



111.12

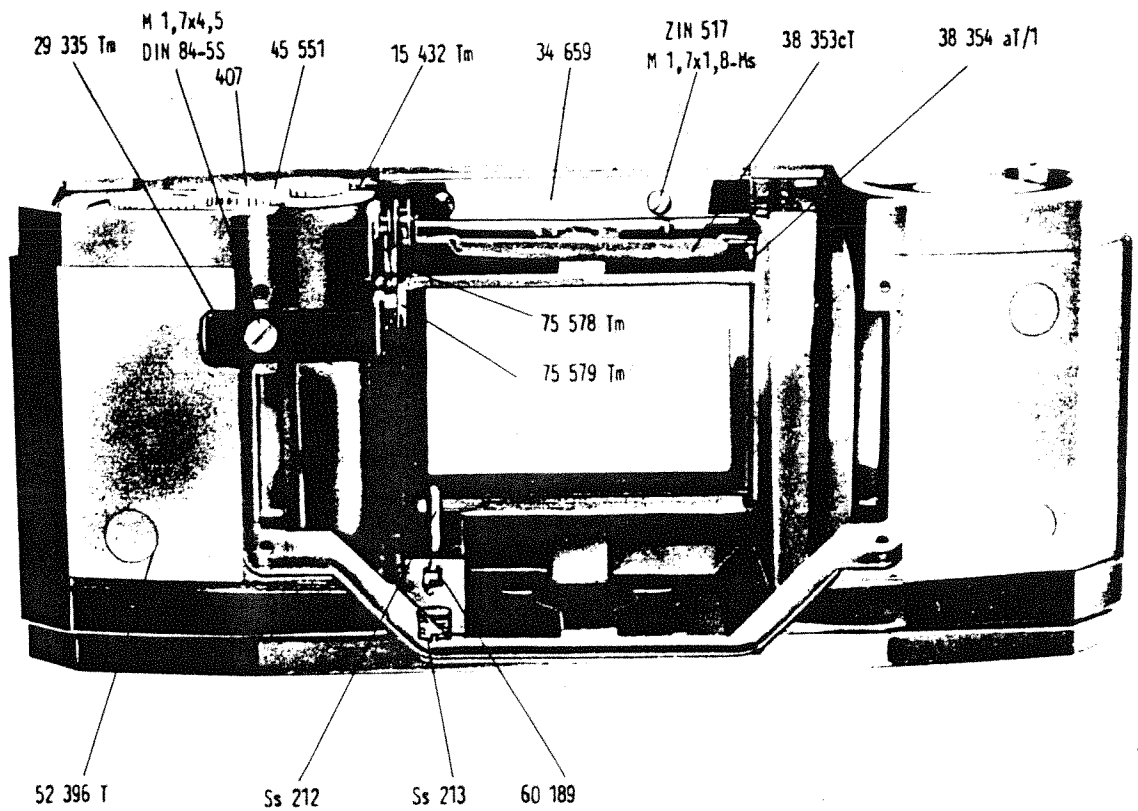


52 395 M

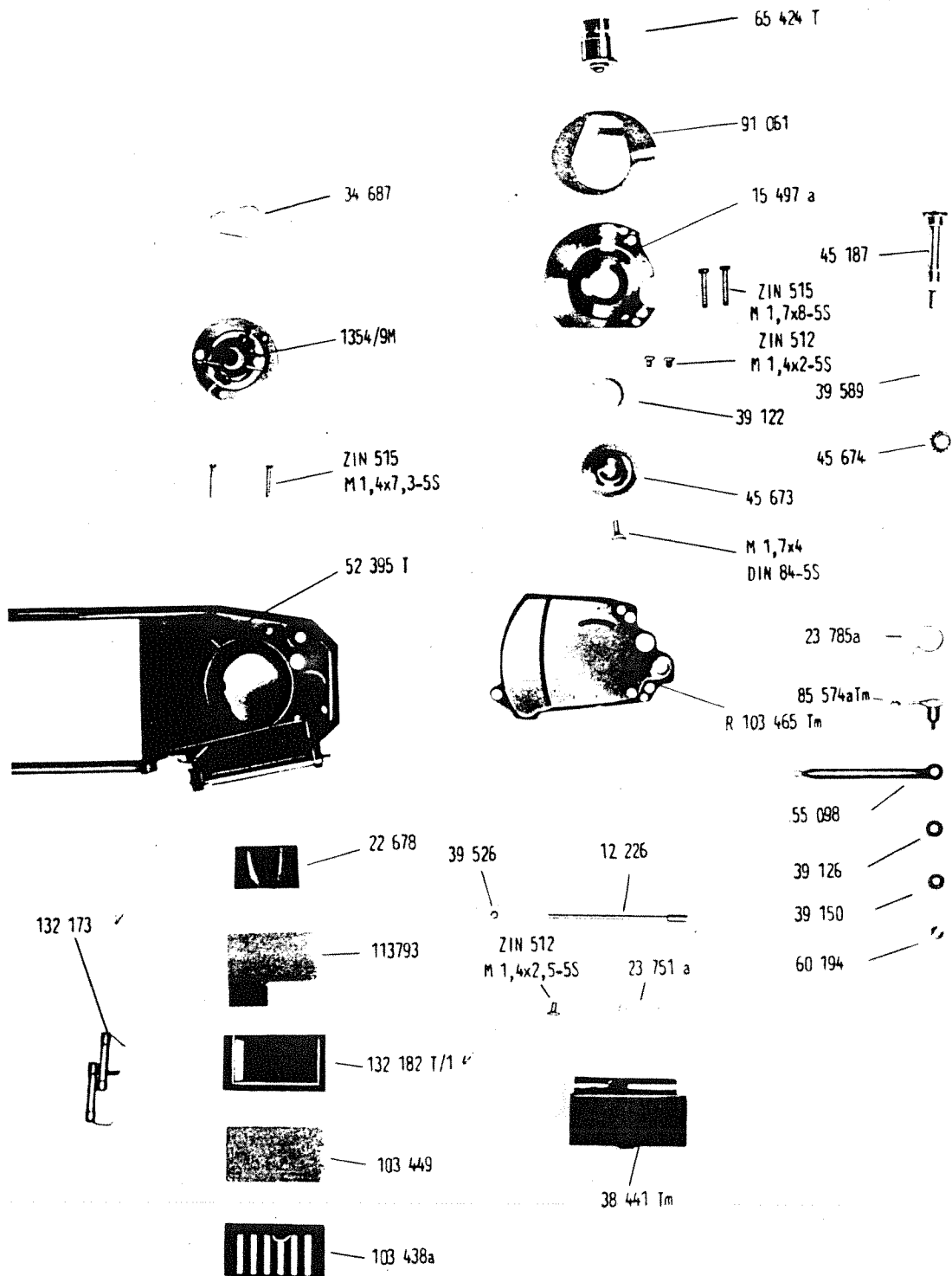


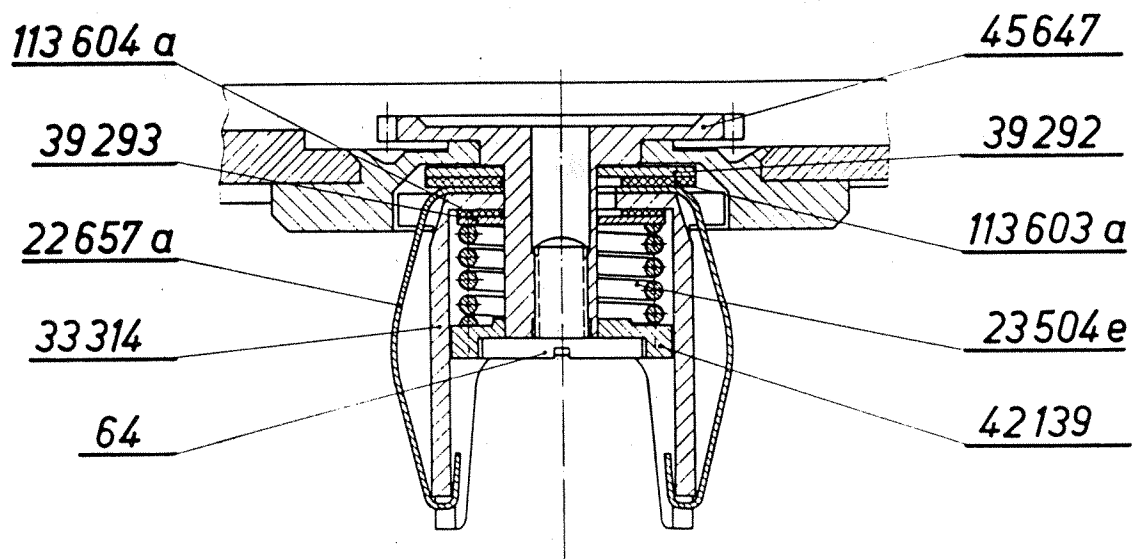
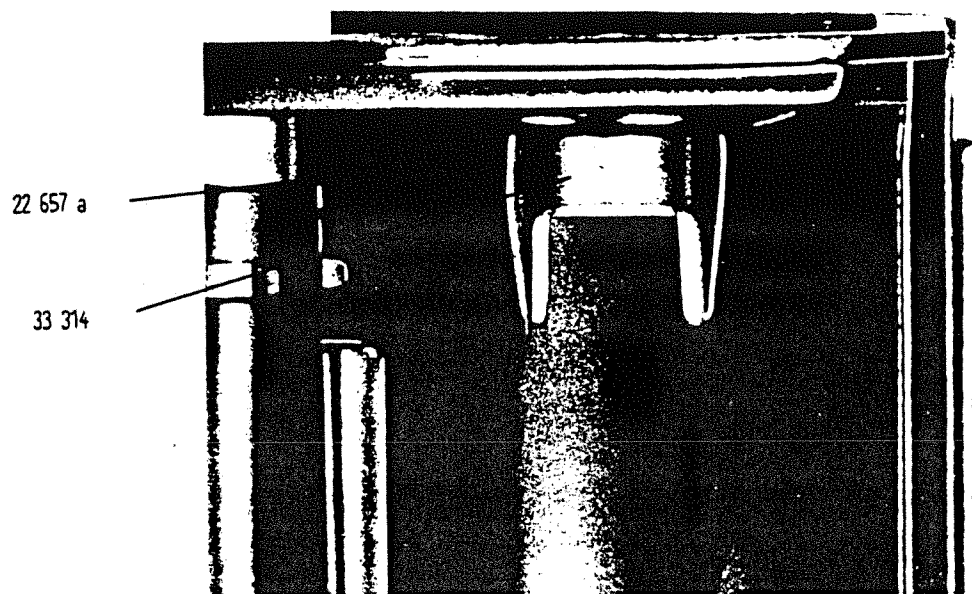
Ill. 14

52 396 M

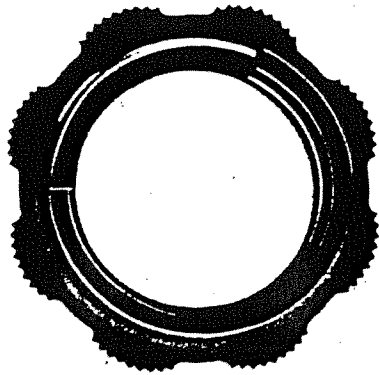


Ill. 15

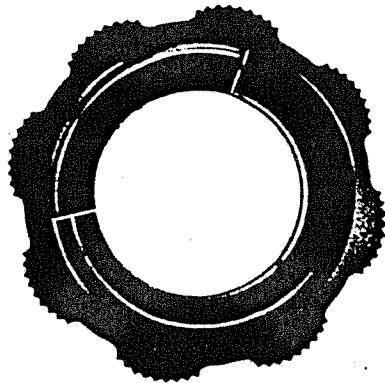
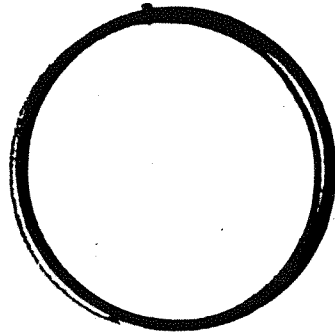




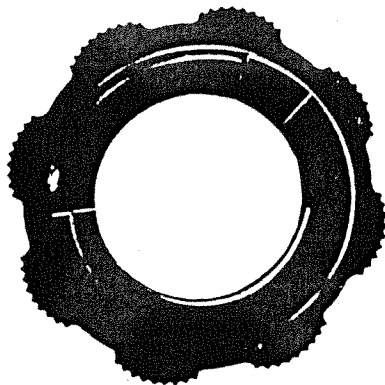
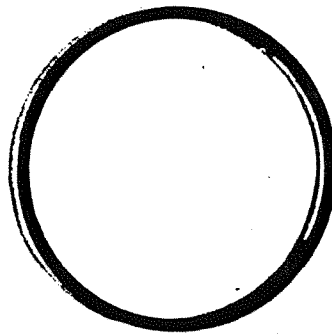
*Drehmoment der Friktion*  $150 \pm_{25}^{50}$  cmg.  
*torque of friction device*  
*Momento de torsion del dispositivo de friccion*



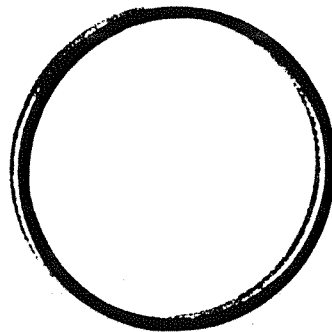
10 240 C

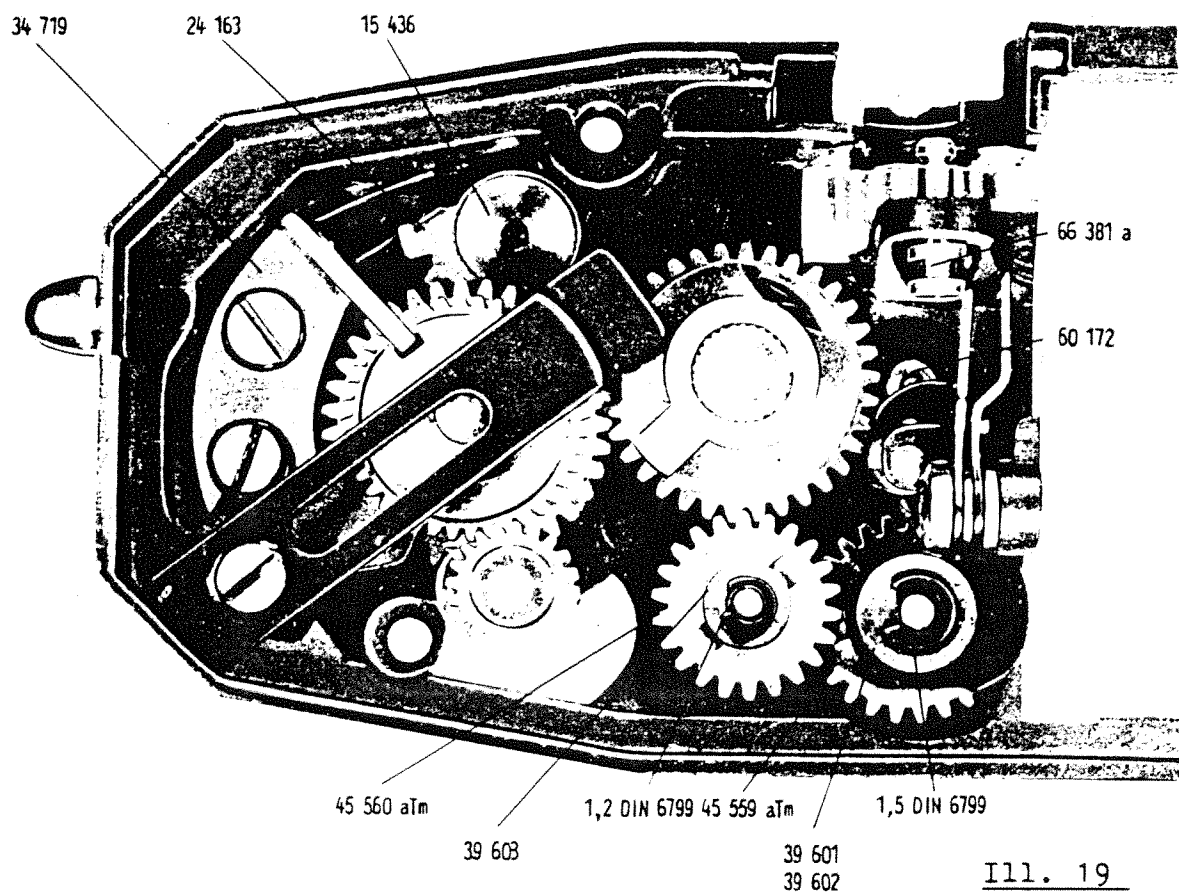
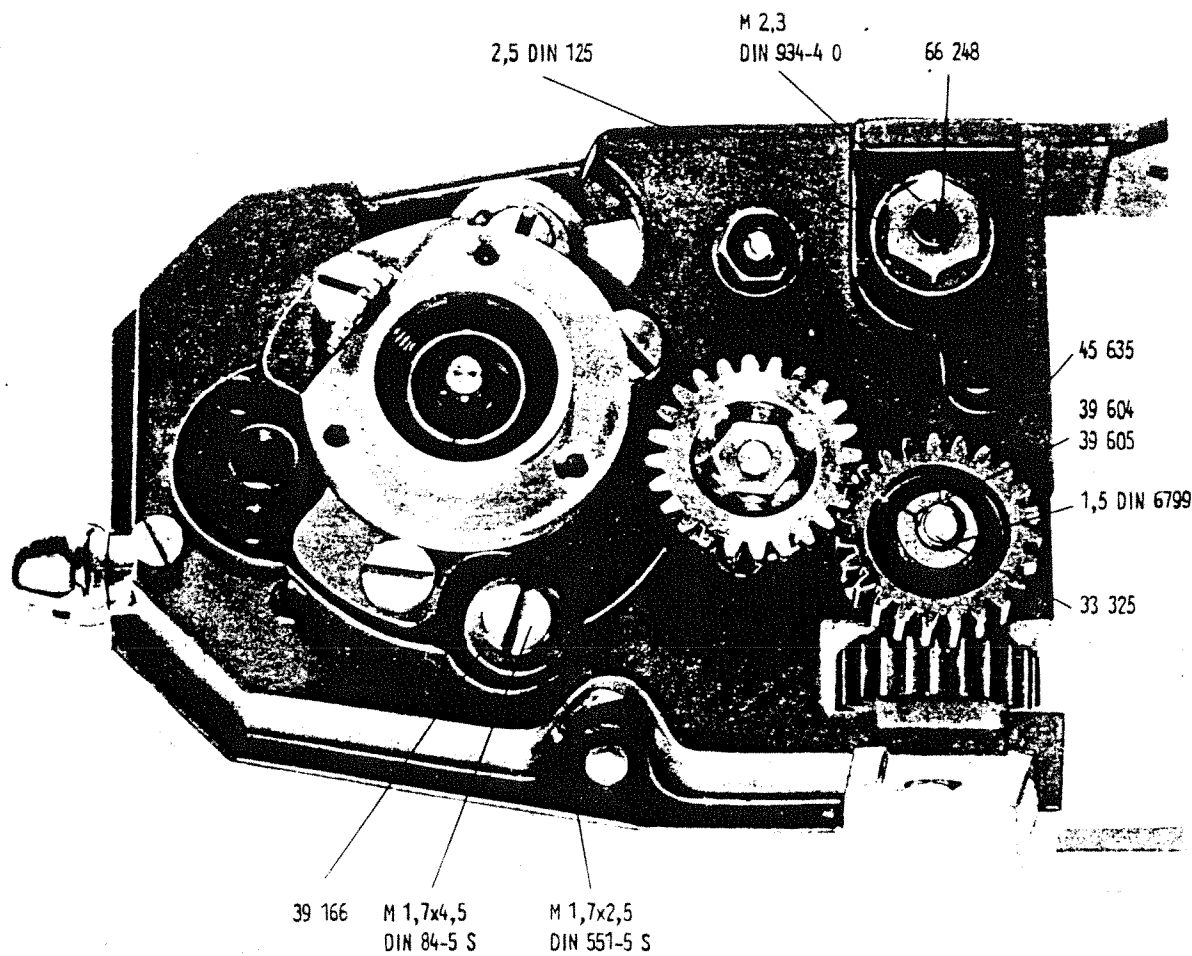


10 240 B



10 240 A









Zeiss Ikon A.G.  
Stuttgart

Published: January 1957

Contaflex III and IV  
Catalogue No. 863/24 and 864/24

C o n t e n t s

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## Contaflex III and IV

### 1. Specification

The Contaflex III and IV differ from the models I and II in the convertible Tessar with interchangeable front elements and in the altered lens mount.

The front element of the convertible Tessar of 50 mm focal length can be exchanged for other front elements giving either a total focal length of 35 mm or 85 mm. The stereo-attachment "Steritar B" can also be exchanged.

The Contaflex III and IV are no longer focused by turning the front element but are fitted with a helical mount by which the whole lens is moved. The escapement within the mount has been altered and has been situated elsewhere. The winding wheel for the shutter has been given a different shape. The housing and the special housing for the mechanism of the Contaflex III are identical with those of the Contaflex I; for the Contaflex IV the housing and casing of the mechanism are those of the Contaflex II.



## 2. Instructions for dismantling the Contaflex III and IV

Dismantling the cover cap of the mechanism casing and of the camera body should be carried out according to the instructions for dismantling the Contaflex I and II.

When the lens mount or the shutter need repair the whole lens mount 47 357 M has to be exchanged. For this purpose the cover cap and the mechanism housing must be removed. When the leather covering at the front of the body has been loosened the lens mount can be unscrewed. Care should be taken of the small filler which should not get lost.

### 1. Supplement

Shutters which in the mount of the central lens have the eccentric 91 075 (fig.6) can be repaired without removing the lens mount. Only if the diaphragm has to be repaired are the previous instructions still applicable.

After loosening the 3 countersunk screws the setting ring and the shroud ring can be lifted off. The diaphragm and shutter speed ring can now also be removed (fig. 7). Now the 4 socket-head cap screws at the bottom of the shutter shell can be unscrewed and the bayonet removed. The 4 screws on the upper part of the shutter shell should under no conditions be unscrewed, since this will impair the correct centering. Now the eccentric 91 075 can be swiveled inwards with the key 863/24 M/VMo 851 and removed by means of forceps. This can only be done, however, after the varnish on the eccentric has been softened by a solvent. The central lens can now be removed by means of the screwstock 863/24 M/VMo 852 (fig.6). After the removal of the cover disc the snap ring can be loosened so that the shutter can be repaired in the usual way (fig.9.)

The rear lens should under no conditions be loosened, since the centering by means of the eccentric cannot be repeated without special accessories.

When the central lens is dirty, it can also be removed with the screwstock 863/24 M/VMo 852 after the eccentric 91 075 has been removed in the manner described. The lens can then be cleaned.



### 3. Instructions for the repair of the Contaflex III and IV

Faults in the body, the mechanism casing and the exposure meter should be carried out according to the instructions for the repair of the Contaflex I and II.

When the lens mount or the shutter are faulty the whole lens mount should be dismantled according to the appropriate instructions and replaced by a new one. The insertion of the new lens mount 47 357 M should be done according to the instructions for the assembling and adjusting of this mount.

If the front element of the lens has been damaged it should be returned to Zeiss Ikon, Stuttgart, or direct to Carl Zeiss, Oberkochen. If a front element has been lost a new one can be ordered from Carl Zeiss, Oberkochen; it will be necessary, however, to quote the serial number, which is engraved on the mount of the central lens.

The delivery time will be about 4 weeks after the order has arrived at Carl Zeiss. Prices on request.

#### 1. Supplement

The shutters made accessible according to the first supplement to the instructions for the dismantling can then be repaired in conformity with the instructions for the repair of Synchro-Compur Shutters issued by Messrs. Deckel. Only if the diaphragm has to be repaired need the whole lens mount be returned to the factory.

#### 4. Assembling and adjusting the Contaflex III and IV

For the assembly and the adjustment of the body, the mechanism casing and the exposure meter the corresponding instructions for the Contaflex I and II should be employed.

When inserting the lens mount adhere to strictly the following instruction: the spur wheel 45 686 should be inserted into the lens mount with its small-diameter first. The mesh of the teeth should be adjusted in the same way as with the Contaflex I and II. The correct adjustment of the lens should be made by using washers. Four washers of equal thickness must be used beneath the retaining screws M 1.7x3.5 DIN 84-5 S in order to keep the lens parallel and absolute perpendicular to the focal plane. The lens mount is factory-adjusted so that automatic focusing is secured when it is mounted. For this reason no screws should be unscrewed or loosened on the lens mount, since correct adjustment can then no longer be guaranteed. After any repair whatsoever the camera should be checked in accordance with the instructions for testing.

#### 1. Supplement

The shutters, after being dismantled according to the first supplement to the dismantling instructions and repaired according to the first supplement to the repair instructions, should be examined and tested thoroughly and then mounted once again after the snap ring and the cover plate have been replaced (fig. 9).

The first thing to do is to insert the shutter shell and to fix it by means of the 4 socket-head cap screws which should first be screwed in loosely, crosswise to prevent warping, and then tightened. Special attention should be paid to the adjusting cylinder and the bearing surface which should be absolutely clean and free from foreign bodies. The correct position should be checked by means of a good measuring instrument. From the bearing surface of the central lens on the tubular socket to the upper edge of the 3 bayonet tags (the fitting surface of the front lens) the measurement should be  $3 - 0.02 \text{ mm}$  (fig. 8). Now the well-cleaned central lens should be inserted and be tightened by means of the screwstock so that the boring for the eccentric 91 075 coincides. Any burrs in the thread of the boring should be removed by means of a steel wire 0.8 mm thick. Under no conditions should the hole be rebored or the burr removed by a drill, since otherwise the adjustment will be lost. Now the eccentric 91 075 should be inserted and locked with the key 863/24 M/VMo 851. The eccentric must then be secured with a little varnish (fig. 6).

The diaphragm setting ring should be inserted at the f/number 22 so that it grips in behind the diaphragm setting lever and is carried along with it springily. The shutter speed ring should be inserted so that the shutter speed setting lever on the shutter is taken along with it. When inserting the setting ring attention must be paid to the small rectangular notch which must carry with it the shutter speed setting lever on the shutters. The shroud ring should be inserted so that the locking lever of the bayonet (with the red dot) is led through the rectangular notch (fig. 7). The shroud ring should be tightened with the 3 countersunk screws. After inserting the front lens the camera should be checked according to the checking instructions.



## 5. Instructions for testing the Contaflex III and IV

### Lens and shutter

The spring-loaded stop-lever on the bayonet should snap in automatically when the front element is inserted and lock it securely. On the other hand, the Tessar front element should turn loose easily when the lever is depressed sufficiently.

The diaphragm ring, when its grip is pressed, should be uncoupled so that it can be set to all f/numbers and exposure values carrying with it the shutter speed ring. It should snap securely on all values and also on the middle of every two values.

The shutter speed ring should be adjusted so that it can be set to all speeds from "B" to 500 and snap-in at every speed when the diaphragm ring is uncoupled. The shutter speed ring should carry the coupled diaphragm ring over the entire range of f/numbers if one of the exposure values from 8 to 12 is indicated. If it is set to the exposure value 2 the shutter speed "B" should be at stop 2.8 while the green figure 125 should be opposite stop 22. Furthermore, the f/number 2.8 should be opposite the setting mark (black triangle). If the shutter is set to exposure value 18, the shutter speed must be 500 with the stop 22 and the f/number 22 should be opposite the setting mark.

The distance setting ring should move easily and positively to all figures on the scale and should be stopped at both ends of its range. When set to the buffer  $\infty$ , the point of intersection of the top should be exactly opposite the setting mark, permissible tolerance  $\pm 0.3$  mm. At the buffer 0.7 mm = 2.5 feet a small overlay is permissible.

The depth-of-field scale should correspond exactly to the following control settings:

Metres: 1.5 m on setting mark

3 m and 1 m should be opposite f/number 22

Feet: 4 feet on setting mark

7 feet should be opposite f/number 22 and 3 feet

between f/number 16 and 22.

The synchro-lever for speed synchronization should be fixed so that it cannot be moved unless the locking lever is depressed and should snap-in always at "M" and "X" but at "V" only when the shutter is tensioned. When set to "M" there should be a delay to peak in relation to the full opening of the shutter. When set to "X" the electric contact should close the moment the shutter is fully open. When set to "V" the delay mechanism should be tensioned so that the shutter set to a pre-arranged shutter speed will be released 8-12 seconds after the release knob is depressed. With the "V" setting the electrical connection should be the same as with the "X" setting.

The back should slip easily on to the body and when locked should cover the body free from play and seal the film chamber light-proof. The locking bars should operate easily. The grips of the bars should fold up and down easily and secure the lock against turning when folded down. The pressure plate inside the back should be absolutely plane and press against the film gate with a spring pressure of 500 to 800 grammes.

The film guiding roller should turn easily. The knob which uncouples the film advance sprocket should react positively when depressed and spring back automatically when released.

The film wind knob should turn in the direction of the arrow until it stops automatically, stop after one complete turn and be locked immediately when turned against the direction of the arrow. The spool prong of the film wind knob must turn easily.

The shutter release knob should be secured against turning in relation to the film wind knob and should react positively when depressed after the film wind knob has been turned until it stops (taking position). It should then release the shutter gently, but should be locked against depression when the film wind knob is not in the taking position.

The index ring of the frame counter should turn positively and should not be displaced when the film wind knob is turned.

The rewind knob should turn positively in either direction. The film type indicator within the rewind knob should turn easily but should not be displaced when the rewind knob is turned.

The film advance sprocket must be symmetrical with the short side of the film gate. Permissible tolerance 0.3 mm including axial play. When the shutter is tensioned one tooth should be perpendicular to the focal plane. When the coupling axle is lifted until it stops the film advance sprocket should turn freely in either direction. When the film advance sprocket has made one complete turn

- a) the capping plate should spring towards camera body, rendering it light-proof, before the mirror flap moves up and the shutter blades start to open to admit the light beam,
- b) the mirror flap should swing into the beam of the lens and stop,
- c) the diaphragm and the shutter blades should be fully open,
- d) the shutter should be tensioned completely (the shutter tensioning lever must be in its correct place)
- e) the sprocket should be turned by 8 teeth (corresponding to a film advance of 38 mm)
- f) the disc of the frame counter should turn by one division in relation to the index ring - see also the cross section of the Contaflex

When the release knob is depressed, the sequence of the internal mechanism should be as follows:

- a) the blades of the shutter should close,
- b) the mirror flap should rebound upwards and fit the mechanism casing closely and light-proof,
- c) the capping plate should also slip upwards,
- d) the diaphragm should return automatically to the pre-set stop,
- e) the shutter should be opened for exposure but only after the actions a - d have been completed, when set to 1/500 sec. and stop f/22 the full opening of the shutter must be visible when seen over the upper edge of the film gate.
- f) shutter tensioning mechanism and film wind should then be free again for shutter tensioning and film advance.

#### Exposure meter

The DIN-ASA disc should be adjusted so that it can be set easily to all values. When the adjusting ring is turned the follow-up pointer should follow positively.

#### Zero point

The follow-up pointer (ring) must be adjusted so that it stops at the buffer stop at the beginning of the measuring range. When the cell is protected from light, the measuring pointer underneath the follow-up pointer should be beneath the ring of the latter towards the beginning of the measuring scale (and tangential to it).

Tolerance: When seen from above the measuring pointer should appear to touch the inner or outer side of the ring.

The zero point must not become displaced and, therefore, the clamping screw should be covered by an ornamental button (so that the customer has not access to it).

The flap should spring open when the axle of its hinge is pressed from the side, even when a flash-plug is in the flash contact of the shutter. When closed it should snap-in easily and securely.

The pointer should not be obstructed on its path over the whole working range.

The lens should give a pin-point sharp picture of all objects at the distances to which the distance setting scale is set. In order to obtain the best definition it is permissible to adjust the distance setting ring by half the depth-of-field range for the full aperture beside the nominal value.

The optical axis should be exactly vertical to the focal plane.

The viewfinder should be clean and free from dust (individual small impurities are permissible but no accumulations).

The finder should depict a sharp, distinctly limited picture free from reflections, and the surrounding field should be black. The image field of the viewfinder must be within the film gate and in symmetry with it.

#### General notes

The inside of the camera must be absolutely free from reflections, that is to say, the image observed in the finder as well as the negative should both be free from any trace of reflections. A film wound through camera backwards and forwards should be free from any traces of scratches within the range of the film gate. Lubricating the camera should be done according to the lubrication plan.



6. Lubrication plan for Contaflex III and IV

Group	Component and lubrication spot	Zeiss Ikon lubricants
Lens mount	<u>Spur wheel 45 686</u>	
	bearing	OS 2
	gear-tooth system	FM 7
	<u>Toothed rim 45 685</u>	
	outer teeth	FM 7
	inner teeth	FM 7
	sliding cam for escapement	no lubrication
	<u>Rollers 33 390 and 33 391</u>	
	bearing	OS 2
	butting faces	OS 2
	<u>Cogwheel 45 684</u>	
	outer teeth	FM 7
	bearing	OS 2
	<u>Driving axle, assembled 45 421 I</u>	
	gear-tooth system	FM 2
	collar	
	<u>Distance ring, assembl. 72 579</u>	
	outer thread	FM 1
	inner thread	
	<u>Base plate, assembl. 26 392 I</u>	
	crosshead guide	FM 6
	<u>Escapement 26 395 I</u>	
	all bearings and gear-tooth systems	OS 2
Mechanism casing	<u>Film-key bolt 66 378 with spring</u>	
	all sliding surfaces of spur wheel 45 562 and spring 23 574	OS 2
	<u>Release 66 376</u>	
	bearing and plane side of plate (butting face for spring)	FM 6
	<u>Film-key bolt 66 378 I with spring</u>	
	bearing within the film-key housing 53 179	FM 6
	<u>Bearing bolt, assembl. 66 377 I</u>	
	bearing for spur wheel	OS 2
	<u>Intermediate wheel, assembl. 45 560 I</u>	
	gear-tooth system	FS 1
	bearing	

Group	Component and lubrication spot	Zeiss Ikon lubricants
<u>Camera body</u>	<u>Spur wheel, assembl. 45 565 Tm/1</u>	
	spur wheel inner surfaces and axle	
	spur wheel 45 566 gear-tooth system and sliding surfaces	FM 6
	<u>Gear spring 23 621</u>	
	windings of the spring	
	sliding surface of the spring core	OS 2
	<u>Stop 45 565 Tm/1</u>	
	stop tag	FM 6
	<u>Spur and bevel spur gear 45 564</u>	
	bearing	FS 1
	<u>Spur and bevel spur gear 45 563 with axle 65 378</u>	
	bearing	
	gear-tooth system	FS 1
	<u>Cogwheel with cam, assembl. 45 559 Tm</u>	
	bearing on the axle	OS 2
	sliding surfaces for scanning lever	
	gear-tooth system	FS 1
	<u>Scanning lever 85 507 and 85 508 with axle</u>	
	bearing	OS 2
	contact-points of the levers	FS 1
	<u>Spur wheel 45 569 with axle</u>	
	bearing	FS 1
	<u>Capping plate 38 354 Tm</u>	
	hinge	OS 2
	<u>Mirror flap 38 353 Tm</u>	
	hinge	OS 2
	<u>Wind-off friction</u>	
	bearing	
	friction surfaces	FM 6
	<u>Wind-on friction</u>	
	bearing	
	friction surfaces	FM 6
	<u>Spur wheel 45 551</u>	
	bearing	FM 6
	<u>Film sprocket 33 269</u>	
	all bearings	FM 6
	<u>Forked lever 85 503 Tm/1 and 85 502 Tm</u>	
	forks and joints	OS 2

Group	Component and lubrication spot	Zeiss Ikon lubricants
<u>Back</u>	<u>Locking disc 42 137 b</u> bearing	FM 6
	<u>Press button 30 223</u> guide in hub and spring	FM 6
	<u>Sliding roller 65 290</u> bearing	OS 6
<u>Camera complete</u>	<u>Film wind knob 72 453</u> bearing	FM 6
<u>Exposure meter</u>	<u>All gear-tooth systems and bearings</u> <u>of the rewind mechanism</u>	FM 6





Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número 863/24	Stück Number Número 864/24	Preis Price Precio
210	Schraube Screw Tornillo		Camera compl. 863/24 Camera Cámara	1		
Ss 166	Zylinderschraube mit Zapfen Fillister head screw w. pivot Tornillo sin fin y pivote		Objektivträger 41 357 H Lens carrier Portador de objetivo	1	1	
Ss 209 a	Zylinderschraube Fillister head screw Tornillo sin fin		Gehäuse mont. 52 367 T Housing 52 396 T Caja	1	1	
Ss 212	Gewindestift mit Zapfen Threaded pin w. pivot Perno con rosca y pivote		Gehäuse mont. 52 367 T Housing 52 396 T Caja	1	1	
Ss 213	Abschlußschraube Screw f. filling Tornillo p. cubrir		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
Ss 317	Exzentrerschraube Eccentric screw Tornillo excentrico		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
Ss 318 a	Abschlußschraube Screw f. filling Tornillo p. cubrir		Camera compl. 864/24 Camera Cámara		1	
Ss 322	Gewindestift Threaded pin Perno con rosca		Getriebegehäuse vollst. 52 388 H Housing f. mechanism 52 395 H Caja p. mecanismo	1	1	
Ss 523	Klemmschraube Clamping screw Tornillo de pression		Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
584 a	Ansatzniet mit Rille in Gabel- hebel (lang) Rivet, with groove Remache con ranura		Gehäuse 52 387 H Housing 52 396 H Caja	1	1	
639 a	Ansatzniet in Gabelhebel (lang) Rivet Remache		Gehäuse 52 387 H Housing 52 396 H Caja	1	1	
Sn 47	Niet in Gabelhebel Rivet Remache		Gehäuse 52 387 H Housing 52 396 H Caja	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número 863/24	Stück Number Número 864/24	Preis Price Precio
Fs 14 M	Filmspule mont. Film spool Carrete		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
12 226	Achse Axle Eje	1 16	Getriebegehäuse vormont. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
15 288	Gewindebuchse Threaded bush Casquillo roscado	13	Camera compl. 864/24 Camera Cámara		1	
15 392	Lagerbuchse Bushing Casquillo		Enden zu Gehäuserückwand 38 352a Im Base for back of housing Fondo para tapa posterior de caja	1	1	
15 438	Distanzbuchse Spacer Tubo de distancia		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
15 462	Buchse Bushing Casquillo		Deckel zu Getriebe 52 395 M Housing f. mechanism Caja p. mecanismo		2	
15 486	Distanzbuchse Spacer Tubo de distancia	13	Camera compl. 864/24 Camera Cámara		1	
15 495	Buchse in Achse Bushing in shaft Casquillo in eje		Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	
15 515	Distanzbuchse Spacer Tubo de distancia		Gehäuse mont. 52 396 T Housing Caja		1	
22 443	Feder in Andrückplatte Spring Resorte		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
22 563	Haltefedern in Spiegelklappe Holding spring Resorte sujetadora		Gehäuse 52 337 T Housing 52 396 T Caja	1	1	
22 657 a	Feder Spring Resorte	17	Gehäuse 52 337 T Housing 52 396 T Caja	1	1	
22 660	Federscheibe Spring disc Disco resorte	13	Camera compl. 864/24 Camera Cámara		1	
22 661	Federscheibe Spring disc Disco resorte	13	Camera compl. 864/24 Camera Cámara		1	

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22 675	Haltefeder rechts in Spiegelklappe Right retaining spring Resorte sujetador derecho		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
22 676	Haltefeder links in Spiegelklappe Left retaining spring Resorte sujetador izquierdo		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
22 678	Feder Spring Resorte	5 16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
23 617	Druckfeder Pressure spring Resorte de presión	4	Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	
23 751 a	Scharnierfeder Hinge spring Resorte p. bisagra	1 16	Getriebegehäuse vormont. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
23 765 a	Drehfeder Rotating spring Resorte giratorio	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
24 163	Sperrklinke Fawl Gatillo		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
25 381	Halteplättchen Retaining plate Planchita sujetadora		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
26 356 T	Andrückplatte mit Feder Pressure plate w. spring Plancha de presión con resorte		Camera compl. 863/24 Camera 864/24 Camara	1	1	
26 392 a T	Lagerplatte Bearing plate Placa de asiento		Objektivträger mont. 47 357 M Lens carrier Portador de objetivo	1	1	
29 435 Tm	Winkel mit Niet Angle w. rivet Pieza angular con remache	15	Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
33 268	Mitnehmer Clutch Leva		Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
33 314	Mitnehmer Clutch Leva	17	Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	

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33 325	Lager Bearing Cojinete		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
33 401	Rolle Roller Rodillo		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
34 672	Seitenblech Lateral plate Plancha lateral	5	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
34 673	Seitenblech Lateral plate Plancha lateral		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
34 719	Anschlag Stop Tope	14 19	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo	1	1	
34 734	Einstellblech Adjusting plate Plancha de ajuste		Getriebegehäuse vollst. 52 395 Housing f. mechanism Caja p. mecanismo		1	
38 353 cIm	Spiegelklappe vormont. Mirror Flap Placa de mirador		Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
38 353 cT	Spiegelklappe vollst. Mirror flap Placa de mirador		Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
38 354 aT/	Lichtklappe vollst. Light trap Placa obturadora	15	Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
38 422 T	Deckkappe mont. Cover Tapa		Camera compl. 863/24 Camera Cámara	1		
38 436 T	Deckkappe mont. Cover Tapa		Camera compl. 864/24 Camera Cámara		1	
38 441 Im	Deckel für Zelle vormont. Cover for photo-cell Tapa para fotocélula		Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	
39 001	Scheibe Washer Arandela		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
39 013	Ausgleichscheibe Washer Arandela	13	Camera compl. 864/24 Camera Cámara		1 +)	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número 863/24	Stück Number Número 864/24	Preis Price Precio
39 014	Ausgleichscheibe Washer Arandela	13	Camera compl. 864/24 Camera Cámara		1 +)	
39 067	Unterlagscheibe Washer Arandela		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
39 068	Scheibe Disc Disco		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
39 076	Unterlagscheibe Washer Arandela		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
39 077	Unterlagscheibe Washer Arandela		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
39 101 a	Scheibe in Bolzen Disc Disco		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
39 121	Scheibe Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
39 122	Unterlagscheibe Washer Arandela	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
39 126	Unterlagscheibe Washer Arandela	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
39 150	Unterlagscheibe in Lagerbolzen Washer Arandela		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
39 220	Scheibe Disc Disco		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
39 282	Unterlagscheibe Washer Arandela		Camera compl. 863/24 Camera Cámara	1 +)	1 +)	
39 298	Scheibe in Tasthebel Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
39 362	Unterlagscheibe Washer Arandela		Camera compl. 863/24 Camera Cámara	1		

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39 363	Scheibe Disc Disco	7 14	Gehäuse vollst. 52 387 T Housing 52 396 Caja	1 +)	1 +)	
39 423	Scheibe Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
39 464	Scheibe in Gabelhobel (lang und kurz) Disc Disco		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
39 467	Scheibe in Deckkappe Disc Disco		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
39 480	Scheibe in Abdrückbolzen Disc Disco	1 16	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
39 482	Scheibe Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
39 526	Scheibe Disc Disco		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
39 582	Scheibe in Achse Disc Disco		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1 +)	
39 588	Scheibe Disc Disco	16	Camera compl. 864/24 Camera Cámara		1 +)	
39 589	Scheibe Disc Disco		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
39 591	Scheibe in Lagerplatte Disc Disco		Objektivträger 47 357 M Lens carrier Portador de objetivo	1	1	
39 592	Scheibe Disc Disco		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	

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39 593	Scheibe Disc Disco		Camera compl. 863/24 Camera 864/24 Camara	1 +)	1 +)	
39 601	Unterlagscheibe Washer Arandela	14 19	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
39 602	Unterlagscheibe Washer Arandela	14 19	Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	1 +)	1 +)	
39 603	Unterlagscheibe Washer Arandela	19	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
39 604	Unterlagscheibe Washer Arandela	19	Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	1 +)	1 +)	
39 605	Unterlagscheibe Washer Arandela	19	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1 +)	1 +)	
39 606	Scheibe Disc Disco		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
39 647 42 137 b T	siehe Seite 16 Verriegelungsscheiben mont. Locking disc Disco de cierre		Gehäuserückwand 52 351 T Back of housing Tapa posterior de caja	2	2	
42 199 a	Abdrückscheibe in Abdruckbolzen Release plate Planchita disparadora		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
42 223 b	Anschlagscheibe in Stirnrad Stop Disc Disco de tope		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
42 244	Mitnehmerscheibe Clutch disc Disco de arrastre		Camera compl. 863/24 Camera 864/24 Camara	1	1	
42 255	Anschlagscheibe Stop disc Disco de tope	13	Camera compl. 864/24 Camera Camara		1	
45 187	Trieb (18 Zähne) Pinion 18 cogs Pinón 18 dientes	16	Camera compl. 864/24 Camera Camara		1	
45 421 Tm	Triebachse mont. Driving axle Eje de impulsión		Camera compl. 863/24 Camera 864/24 Camara	1	1	

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45 550	Stirnrad (30 Zähne) Spur gear, 30 cogs Rueda frontal, 30 dientes		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
45 558	Stirnrad (20 Zähne) Spur gear, 30 cogs Rueda frontal, 30 dientes		Getriebegehäuse mont. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 559 aM	Zahnrad m. Kurve mont. (25 Zähne) Gear with curve, 25 cogs Rueda dentada lon curva, 25 dientes		Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 560 aM	Zwischenrad mont. (17 Zähne) Intermediate gear, 17 cogs Rueda intermedia, 17 dientes		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 561 a	Zwischenrad II (22 Zähne) Intermediate gear, 22 cogs Rueda intermedia, 22 dientes		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 562 a	Aufzugsrad 35 Zähne Winding gear, 35 cogs Rueda de arrastre, 35 dientes		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 567	Filmrad (40 Zähne) Filmschlüsselbolzen Gear, 40 cogs, for film wind Engranaje, 40 dientes, p. mecanismo		Getriebegehäuse 52 388 M Housing f. mechanism Caja p. mecanismo	1	1	
45 635 a	Stirn- und Kegelrad (23 Zähne) Spur- and bevel gear, 23 cogs Rueda directa conica, 23 dientes	19	Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
45 647	Stirnrad (36 Zähne) Spur gear, 36 cogs Rueda frontal, 36 dientes	17	Gehäuse mont. 52 387 T Housing 52 396 T Caja	1	1	
45 673	Zahnrad (44 Zähne) Gear, 44 cogs Rueda dentada, 44 dientes	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
45 674	Zahnrad (18 Zähne) Gear, 18 cogs Rueda dentada, 18 dientes	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
45 681	Stirnrad (44 Zähne) Spur gear, 44 cogs Rueda frontal, 44 dientes		Gehäuse mont. 52 396 T Housing Caja		1	
45 686	Stirnrad (16 Zähne) Spur gear, 16 cogs Rueda frontal, 16 dientes		Camera compl. 863/24 Camera 864/24 Cámara	1	1	



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47 357 M	Objektivträger mont. Lens carrier Portador de objetivo		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
49 117	Scharnierstück in Gabelhebel (kurz) Hinge Bisagra		Gehäuse 52 387 T Housing 52 396 T Caja p. mecanismo	1	1	
50 256 T	Fassung mit Einblicklinse Mount with lens Montura con lente		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
52 351 T	Rückwand mit Boden Camera back Tapa posterior		Rückwand compl. 52 351 M Camera back Tapa posterior	1	1	
52 351 M	Rückwand compl. Camera back Tapa posterior		Camera compl. 863/24 Camera 864/24 Cámara	1	1	
52 380	Prismengehäuse Prism housing Caja p. prisma		Sucherprisma vollst. 102 070 M/2 Viewfinder prism Prisma de visor	1	1	
52 388 M	Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo		Camera compl. 863/24 Camera Cámara	1		
52 388	Getriebegehäuse (Gußteil) Housing f. mechanism (casting) Caja p. mecanismo (fundida)		Getriebegehäuse 52 388 M Housing f. mechanism Caja p. mecanismo	1		
52 395	Getriebegehäuse (Gußteil) Housing f. mechanism (casting) Caja p. mecanismo (fundida)		Getriebegehäuse vormont. 52 395 T Housing f. mechanism Caja p. mecanismo		1	
52 395 T	Getriebegehäuse vormont. Housing f. mechanism Caja p. mecanismo	14 16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
52 395 M	Getriebegehäuse vollst. Housing f. mechanism Caja p. mecanismo		Camera compl. 864/24 Camera Cámara		1	
53 189	Filmschlüsselgehäuse Film key housing Caja p. llave de arrastre		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo	1	1	
55 098	Nachführzeiger Follower needle Aguja de ajuste	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
56 048	Griffe für Verriegelungsscheibe Handles Asas		Gehäuserückwand 52 351 M Camera back Tapa posterior	2	2	

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60 194	Sechskantmutter Hexagon-nut Tuerca hexagonal	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
65 423	Achse in Tasthebel Shaft Aje		Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
65 424	Achse Shaft Eje		Achse mont. 65 424 T Shaft Eje		1	
65 424 T	Achse mont. Shaft Eje	16	Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	
66 248	Lagerbolzen Bearing pin Perno de cojinete	19	Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 249	Lagerbolzen Bearing pin Perno de cojinete	19	Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 445 Im	Abdrückbolzen mont. Release pin Varilla disparadora	7 14	Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 446	Filmschlüsselbolzen Film key pin Eje p. llave de película		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 446.	Filmschlüsselbolzen Film key pin Eje p. llave de película		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 447 Im	Lagerbolzen in Stirnrad mont. Bearing pin Perno de cojinete	7 14	Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 448	Lagerbolzen Bearing pin Perno de cojinete		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 467 a	Bolzen in Tasthebel Pin Perno		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
66 472	Bolzen in Tasthebel Pin Perno		Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	
66 473	Führungsbolzen in Achse Guide pin Perno de guía		Getriebegehäuse 52 395 M Housing f. mechanism Caja p. mecanismo		1	

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72 418	Scheibe Disc Disco		Camera compl. 864/24 Camera Cámara		1	
75 394 T	Filmskala (DIN) Film scale DIN Escala de película DIN		Camera compl. 863/24 Camera Cámara	1 +)		
75 395 T	Filmskala ASA Film scale ASA Escala de película ASA		Camera compl. 863/24 Camera Cámara	1 +)		
75 481 T	Blendenskala Diaphragm scale Escala de diafragma		Camera compl. 864/24 Camera Cámara		1	
75 497 b	Empfindlichkeitsskala Film speed scale Escala de sensibilidad de película	11 13	Camera compl. 864/24 Camera Cámara		1	
75 510	Skalenblech (deutsch) Scale Escala		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
75 512	Skalenblech (englisch) Scale Escala		Camera compl. 863/24 Camera 864/24 Cámara	1 +)	1 +)	
85 504	Überzugshebel in Gabelhebel (lang) Stop lever Palanca de tope		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
85 507 c	Tasthebel Control lever Palanca de mando	7 14	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
85 571 aTm	Tasthebel mont. Control lever Palanca de mando	7 11 16	Getriebegehäuse vollst. 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
85 574 aTm	Tasthebel mont. Control lever Palanca de mando	11	Getriebegehäuse vollst. 52 395 M housing f. mechanism Caja p. mecanismo		1	
85 575 Tm	Gabelhebel kurz mit Scharnierstück mont. Forked lever, short, with hinge Palanca bifurcada, corta, con bisagra		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
85 579 Tm	Gabelhebel lang mont. Forked lever long Palanca bifurcada largo		Gehäuse 52 387 T Housing 52 376 T Caja	1	1	

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91 046	Kurve für Spiegelklappe in Zahnrad Curve for mirror flap Curva para topa del espejo		Getriebegehäuse vollst. 52 386 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
91 047 a	Kurve für Lichtklappe in Zahnrad Curve for light trap Curva para topa interceptora de la luz		Getriebegehäuse vollst. 52 384 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
91 061	Steuerscheibe Cam disc Disco de mando	1b	Camera compl. 064/24 Camera Camara		1	
94 061	Federkern Pin for fastening spring Perno p. sujeta resorte	7 16	Getriebegehäuse vollst. 52 388 M Housing f. mechanism Caja p. mecanismo	1	1	
95 315	Rahmen Frame Marc		Sucherprisma vollst. 102 070 H/2 Viewfinder prism Prisma de visor	1	1	
95 338	Haske Mask Mascara		Sucherprisma vollst. 102 070 H/2 Viewfinder prism Prisma de visor	1 +)	1 +)	
98 097	Spiegel in Spiegelklappe vormont. Mirror Mirador		Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
101 330	Einblicklinse in Fassung Eyepiece lens mounted Lente de mirilla, montado		Camera compl. 063/24 Camera 064/24 Camara	1	1	
101 426	Feldlinse Field lens Lente de campo		Sucher vollst. 102 070 H/2 Viewfinder Visor	1	1	
102 070 H/2	Sucherprisma vollst. Viewfinder prism Prisma de visor		Camera compl. 063/24 Camera 064/24 Camara	1	1	
103 438 a	Prismenscheibe Prism plan Cristal prismático	2 16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
103 449	Scheibe Disc Disco	5 16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	
R 103 465Tm	Deckel mit Buchse Cover with bushing Tapa con casquillo	16	Getriebegehäuse vollst. 52 395 M Housing f. mechanism Caja p. mecanismo		1	

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103 475	Dichtung in Deckkappe Gasket Junta		Camera compl. 864/24 Camera Camera		1	
103 480	Stufenlinse Stepped lens Lente graduada		Sucher 102 070 H/2 Viewfinder Visor	1	1	
103 488	Deckel unten Bottom Fondo	14	Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
103 503	Maske Mask Mascara		Sucherprisma vollst. 102 070 H/2 Viewfinder prism Prisma de visor	1	1	
103 555 109 183/1	siehe Seite 16 Bezug Covering Cubierta	1	Gehäuse-Rückwand 52 351 H Camera back Tapa posterior	1	1	
109 185	Bezug compl. Covering compl. Cubierta compl.		Camera compl. 863/24 Camera 864/24 Camera	1	1	
109 195/2	Bezug für Gehäuse Aufzugseite Cover f. housing, side of winding knob Cubierta p. caja, lado del botón de arrastre		Camera compl. 863/24 Camera 864/24 Camera	1	1	
109 195/3	Bezug für Gehäuse Rückspulseite Cover f. housing, side of rewinding knob Cubierta p. caja, lado del botón p. rebobinar		Camera compl. 863/24 Camera 864/24 Camera	1	1	
112 366 a	Dichtungsring Tightening washer Arandela obturadora		Camera compl. 863/24 Camera 864/24 Camera	1	1	
112 370	Puffer in Spiegelklappe Buffer Parachoques		Gehäuse 52 367 I Housing Caja	1	1	
112 372	Dichtungseinlage Lining Forro		Getriebegehäuse vollst. 52 398 H Housing f. mechanism 52 395 H Caja p. mecanismo	1	1	
113 609 Im	Isolierplatte mont. Insulation Aislamiento		Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	

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113 739	Dichtungseinlage Lining Forro		Gehäuserückwand 52 351 H Camera back Tapa posterior	1	1	
116 598	Anschlußdraht Flex Conductor		Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
119 793	Isolierplatte Insulation Aislamiento	5 16	Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
122 015	Stahlkugel 1,588 Ø in Achse Steel-ball, diameter 1,588 mm Bola de acero, diametro 1,588 mm	4	Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
132 173	Widerstand 0,25 - 12,5 Ohm nach Bedarf Resistance 0,25 - 12,5 Ohms as may be required Resistencia 0,25 - 12,5 Ohmios según se necesite	16	Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1 +)	
132 182 T/1	Zelle vollst. Photo-cell Fotocélula	5 16	Getriebegehäuse vollst. 52 398 H Housing f. mechanism Caja p. mecanismo		1	
1 354/9 H	K-Instrument II vollst. Exposure meter movement Instrumento con bobina giratoria	16	Getriebegehäuse vollst. 52 395 H Housing f. mechanism Caja p. mecanismo		1	
KXV/CR 00 CS-1110- 545 c	Spezial-Synchro-Compur-Ver- schluß mit Satz-Tessar 1:2,8/50 Special Synchro Compur shutter with convertible Tessar f-2,8-50 mm Obturador especial Synchro Compur con Tessar convertible 1:2,8/50		Camera compl. 863/24  Camera 864/24  Cámara	1   1	   1	
ZIM 511 N 1,4x2,5- 5 S	Senkschraube Countersunk screw Tornillo embutido		Gehäuse 52 397 I Housing 52 396 I Caja	2	2	
			Getriebegehäuse vollst. 52 398 H Housing f. mechanism 52 395 H Caja p. mecanismo	2	2	
ZIM 511 N 1,4x6-5S	Senkschraube Countersunk screw Tornillo embutido		Getriebegehäuse 52 398 H Housing f. mechanism 52 395 H Caja p. mecanismo	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número 863/24	Stück Number Número 864/24	Preis Price Precio
ZIN 511 M 1,7x2-5S	Senkschraube Countersunk screw Tornillo embutido		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
ZIN 512 M 1,4 x 2,5- 5 S	Senkschraube Countersunk screw Tornillo embutido		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
ZIN 515 M 1,4x7,3- 5 S	Zylinderschraube Cylinder head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism Caja p. mecanismo	2	2	
ZIN 515 M 1,7x5,5- 5 S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. 863/24 Camera 864/24 Cámara	4	4	
ZIN 515 M 1,7x8-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
ZIN 517 M 1,7x1,8- Ms	Linsenschraube Lens head screw Tornillo de cabeza lenticular		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
M 1,4 x 3 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
M 1,7 x 3 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	5	5	
M 1,7 x 3,5 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. 863/24 Camera 864/24 Cámara	7	7	
M 1,7 x 4 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
M 1,7 x 4,5 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
			Gehäuse 52 387 T Housing 52 396 T Caja	1	1	
M 1,7 x 6 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. 863/24 Camera 864/24 Cámara	7	7	
M 1,7 x 9 DIN 84-5S	Zylinderschraube Fillister-head screw Tornillo sin fin		Camera compl. 863/24 Camera 864/24 Cámara	1	1	

Teil-Nr. Serial No. Pieza No.	Bezeichnung Name Designación	Abbildung Illustration Ilustración	Baugruppe, Bauteil Assembly Montaje	Stück Number Número 063/24	Stück Number Número 064/24	Preis Price Precio
1,8 DIN 125-St	Unterlagscheibe Washer Arandela		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
2,5 DIN 125-St	Unterlagscheibe Washer Arandela		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
1,5 DIN 433-Ms	Unterlagscheibe Washer Arandela		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
DM 1,7 DIN 439-5S	Sechskantmutter Hexagon nut Tuerca hexagonal		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
M 1,7x2,5 DIN 551-5S	Gewindestift Threaded pin Perno con rosca		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
M 1,7 x 5 DIN 551-5S	Gewindestift Threaded pin Perno con rosca		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
M 1,7 x 4 DIN 553-5S	Gewindestift Threaded pin Perno con rosca		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
M 1,7 DIN 934-40	Sechskantmutter Hexagon nut Tuerca hexagonal		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
M 2,3 DIN 934-40	Sechskantmutter Hexagon nut Tuerca hexagonal		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	1	1	
1,2 DIN 6799	Benzing-Sicherung Benzing protector Seguro Benzing		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
1,5 DIN 6799	Benzing-Sicherung Benzing protector Seguro Benzing		Getriebegehäuse 52 388 M Housing f. mechanism 52 395 M Caja p. mecanismo	2	2	
M 1,7x3 DIN 551 - 5 S	Gewindestift Threaded pin Perno con rosca		Objektivträger 47 357 M Lens carrier Portador de objetivo	2	2	
39 647	Scheibe Disc Disco		Objektivträger 47 357 M Lens carrier Portador de objetivo	3	3	
103556	Mask Mask Mascara		Sucherprisma 102 070 M 12 Viewfinder prism Prisma de visor	1	1	
				*) Nach Bedarf As required Segun conveniga		



Zeiss Ikon A.G.

Stuttgart

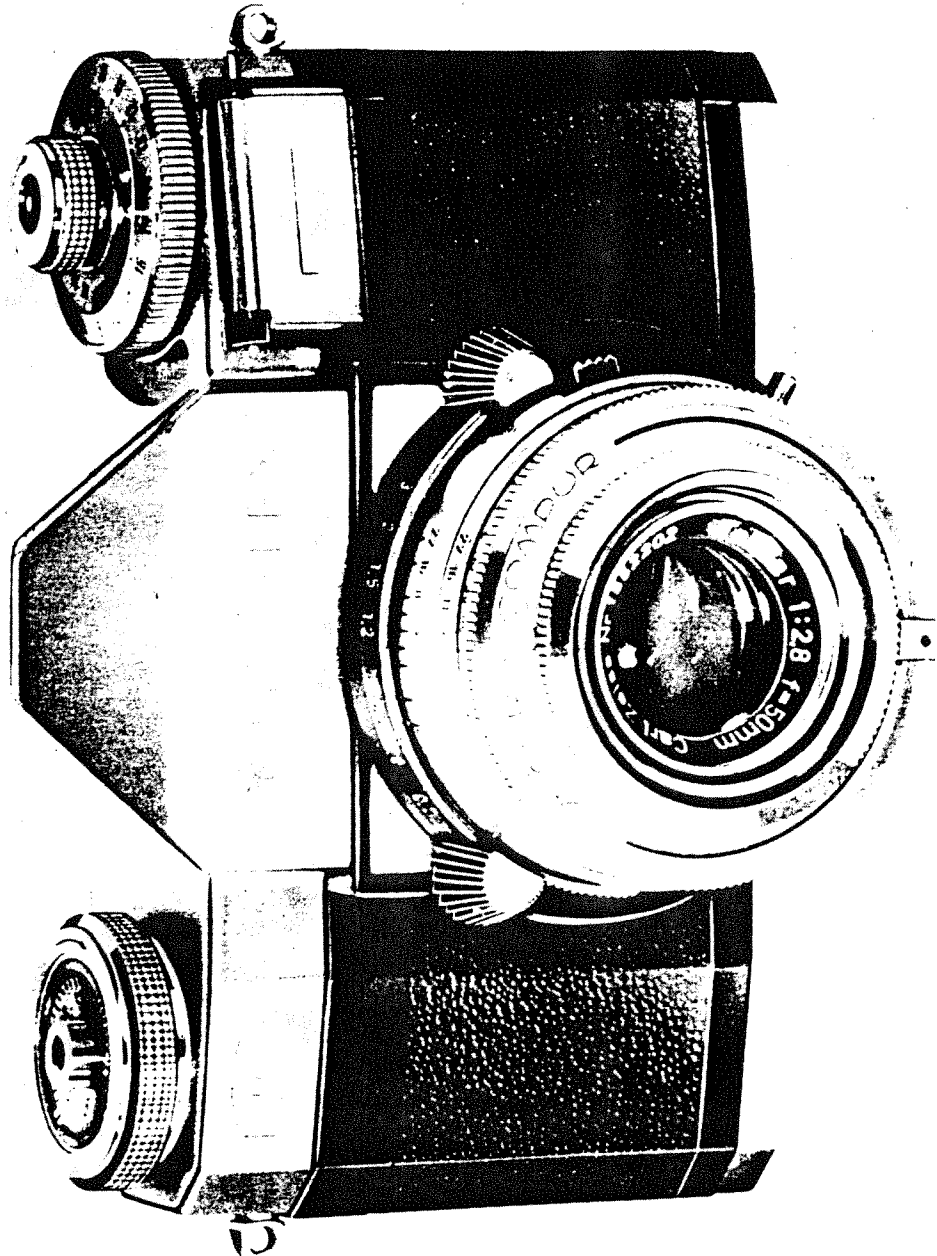
Published: January 1957

#### 8. Special tools for Contaflex III and IV

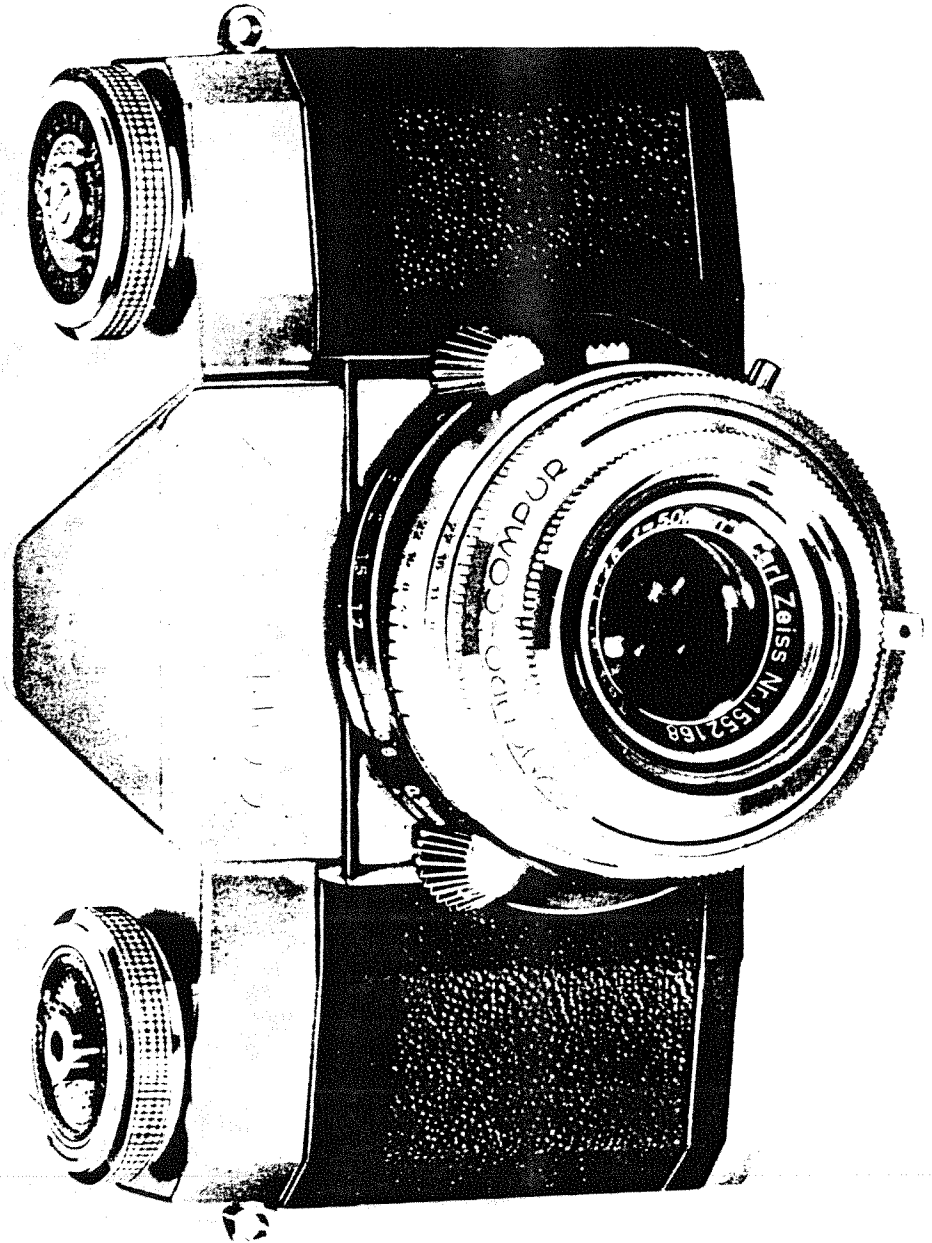
Special tools are not necessary at the moment for the Contaflex III and IV. The same tools as for Contaflex I and II can be used.



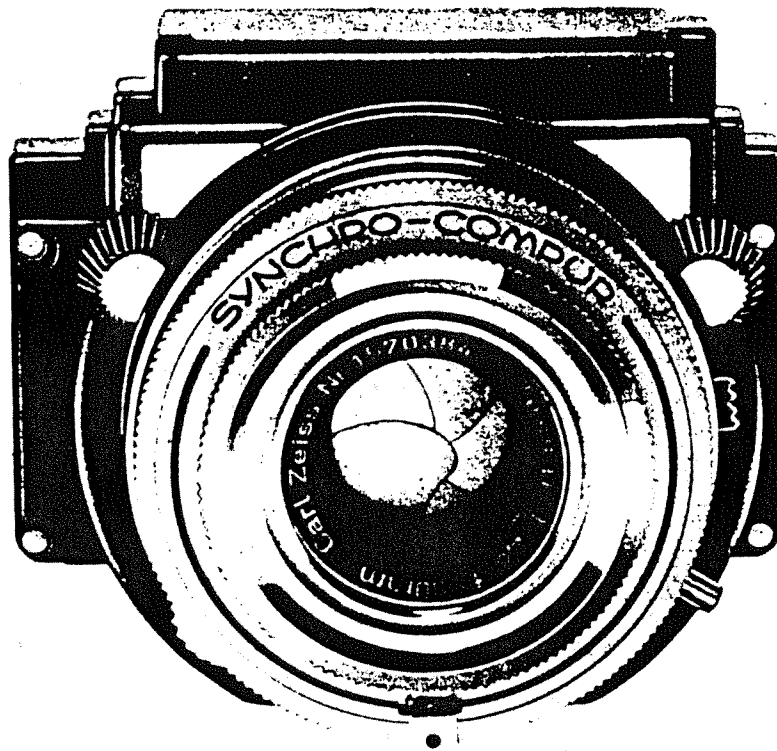
864/24



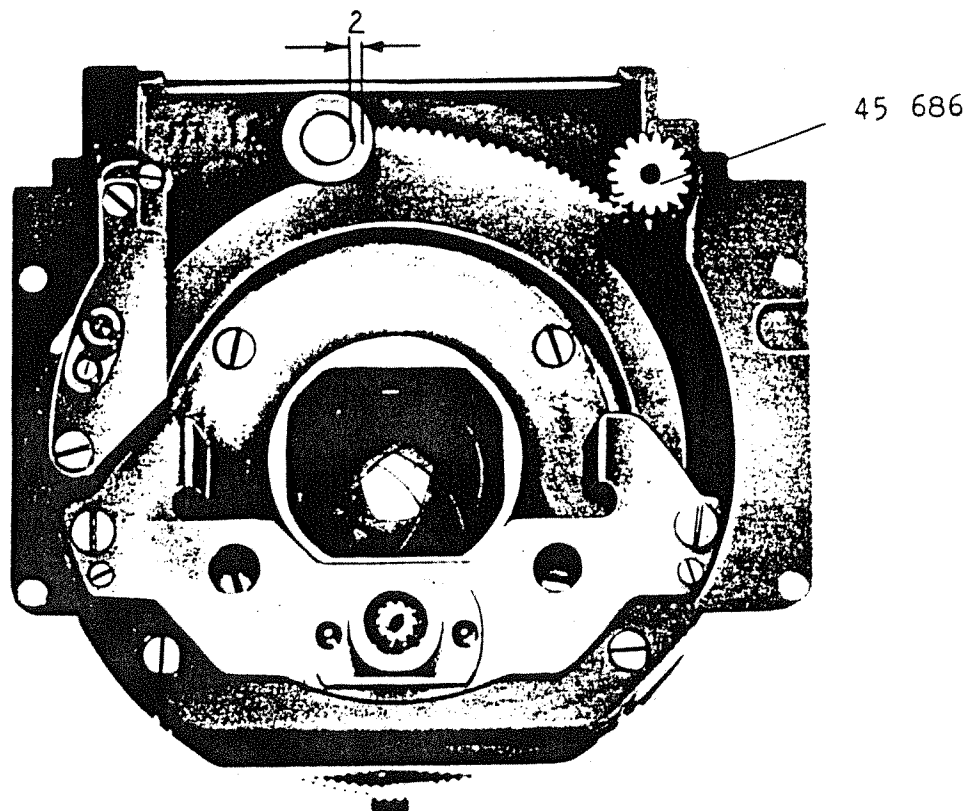
863/25



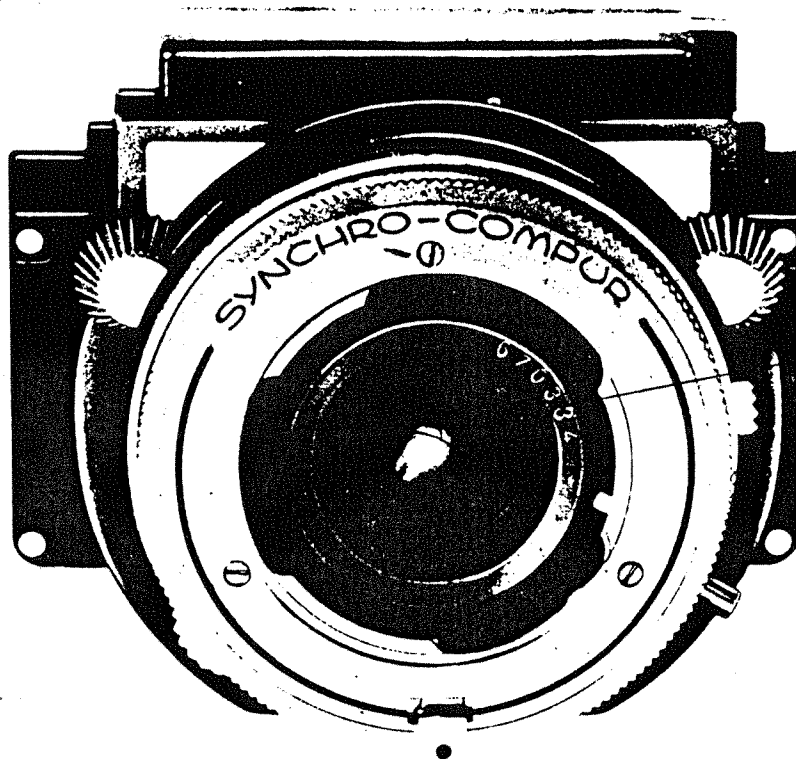
47 357 M



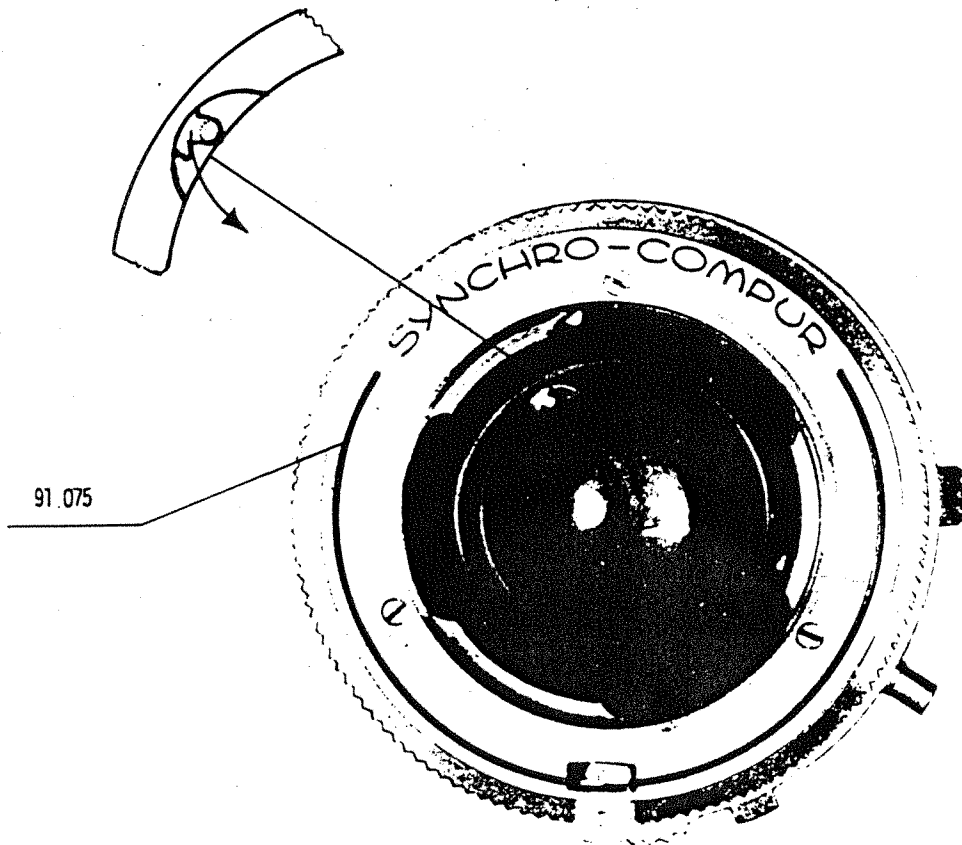
Ill. 3



Ill. 4



Nr.

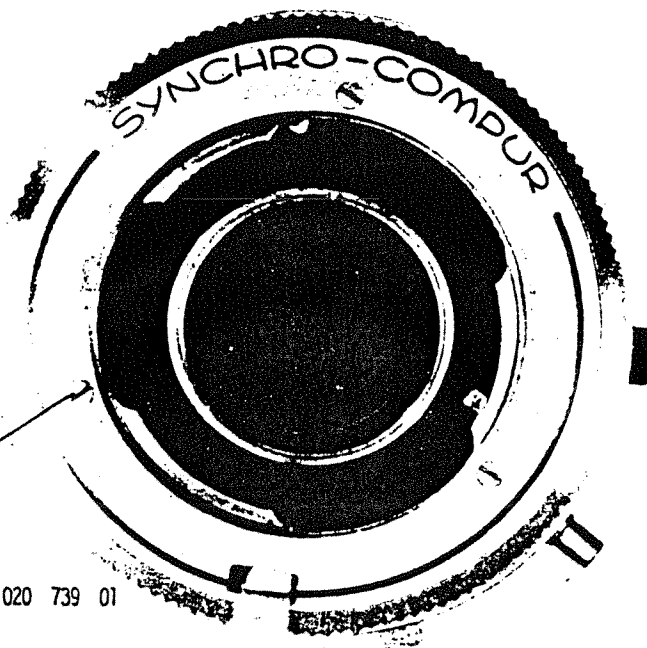
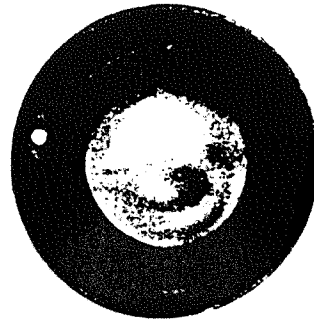


Mittellinse

Center lens

Lente central

91 075



Senkschraube

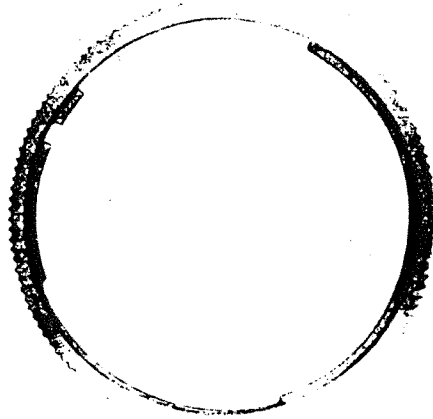
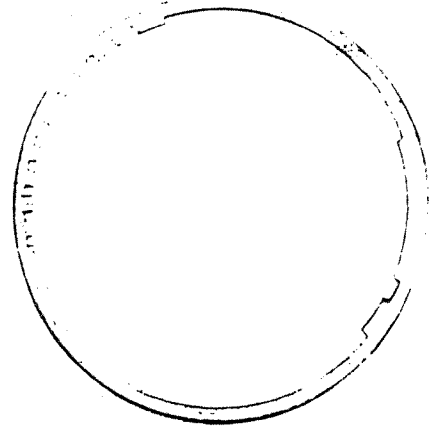
Countersunk screw 1110 30 020 739 01

Tornillo embutido



Stellring  
 Set collar  
 Anillo de ajuste

1110 30 020 539 82

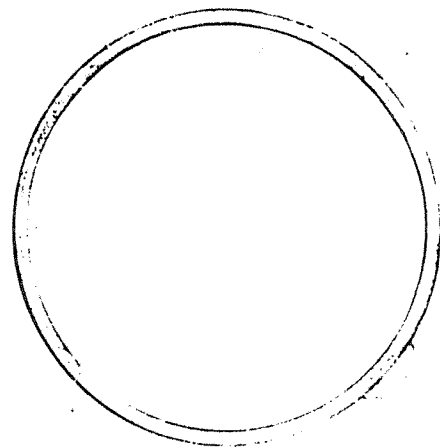
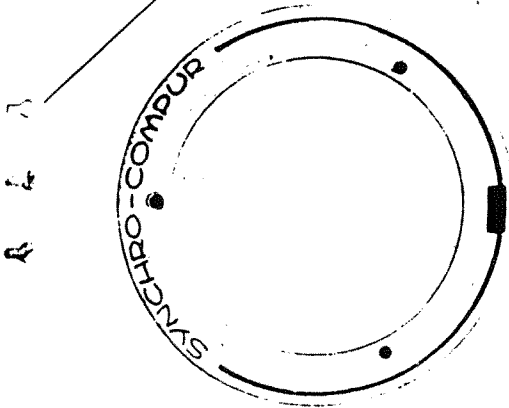


Senkschraube

Countersunk screw

Tornillo embutido

1110 30 020 739 81



Abschlußring

Cover ring

Anillo tapadero

1110 30 020 738 81



Verschluß

Shutter

Obturador

Zylinderkopfschraube

Fillister head screw

Tornillo sin fin

1110 030 005 109 81

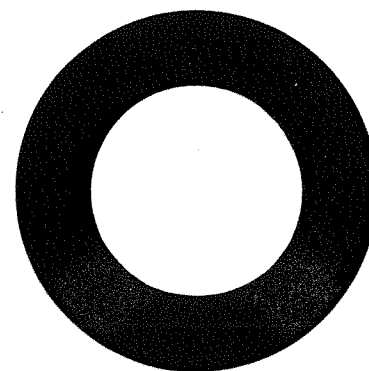
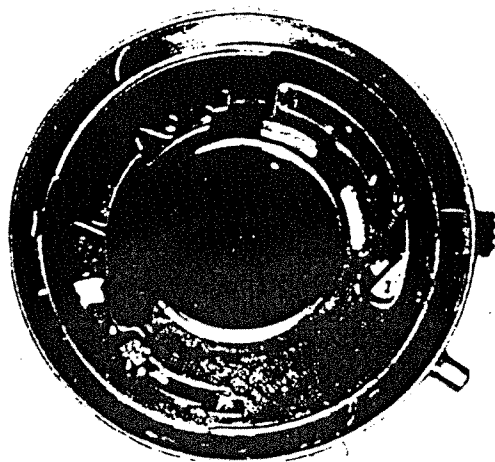
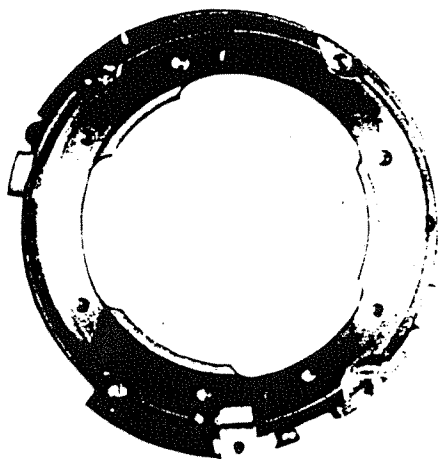
oder

1110 030 020 055 80

Sicherungsring für Kurvenring  
circlip

Anillo de muelle

1110 30 030 567 80



Abdeckplatte

Cover disc

Disco de recubrimiento

1110 30 020 540 80 mit Stift

with pin  
con perno

1110 30 020 540 81 Stift

Verschluß

Shutter

Obturador